

## DISCHARGE INFORMATION SHEET

Please complete the following questions and return the form to:

Seattle Public Utility  
700 5<sup>th</sup> Ave. Suite 3100  
Seattle WA 98104  
Fax (206) 684-3909

Address of Discharge: 3414 1/2 2ND AVE So.  
Company Name and Address for Billing: NW CASCADE INC  
PO BOX 73399  
BOYALLUP, WA, 98323  
Contact Person Name and Phone Number: J R INMAN 253-848-2371

### Project Information

Estimated Start Date: JANUARY 2ND 2001  
Estimated Stop Date: YEARLY / CONTINUOUS  
Estimated Gallons of Discharge: 5000 gallons Day -  
Estimated Discharge per Minute:  
(Flow Rate) 300 TO 500 gallons

Discharge to Side Sewer Connection: Yes ☐ No ☐ ?

Discharge to Maintenance Hole\*\*: Yes ☐ No ☐

\*If discharging to maintenance hole please provide map of location.

Briefly describe the technique used in preventing sedimentation:

Dump THREW SCREEN TO BAISEN. METER FOR FLOW VERIFICATION  
SET UP BEFORE DISCHARGE MANHOLE.

If there are any changes to the above during the project, please report them as soon as possible.

Date Dec 18 2000

Signature

[Signature]  
MANAGER

# THE CITY OF SEATTLE

SEATTLE TRANSPORTATION  
STREET USE DIVISION

## APPLICATION

FOR

SIDE SEWER PERMIT

OUTSIDE ☒ INSIDE ☐ REPAIRS ☐

CAWD No. \_\_\_\_\_

EASEMENT No. \_\_\_\_\_

HOUSE No. 3414 1/2 2ND AVE S

OWNER ROBERT L. LEND

PHONE No. (253) 848-2371

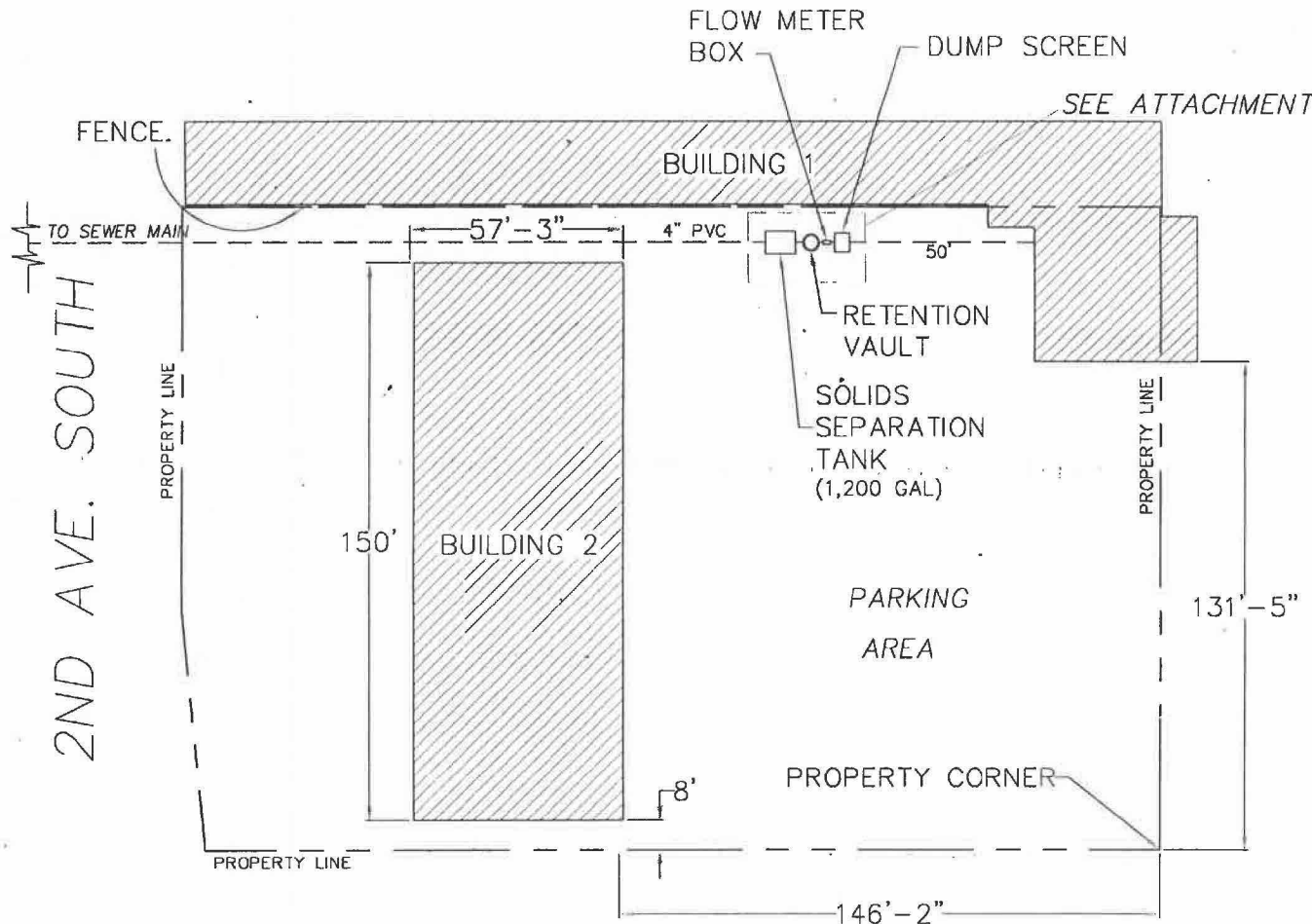
PERMITTEE \_\_\_\_\_

LOT or PARCEL No. LOT #3 / 262701

NAME ADDR \_\_\_\_\_

PERMIT No. \_\_\_\_\_

BLOCK No. \_\_\_\_\_



SCALE: 1"=50'

IMPERVIOUS AREA:

BLDG. 1 = 7656.25 SQ.FT.

BLDG. 2 = 8437.50 SQ.FT.

DWG. BY: ROBERT ALBORNOZ JR.

*Robert Albornoz Jr.*

ADDRESS: P.O. BOX 73399  
PUYALLUP, WA 98373

PHONE NO.: 253-848-2371

OLD

APPLICATION APPROVED

DATE \_\_\_\_\_ BY \_\_\_\_\_

☐ MIN. 2 OFFSETS TO LOC. BLDG ☐ DIM. OF BLDG ☐ SS STRUCT. LOC. ☐ SS LOC. FROM BLDG ☐ STORM PIPE LOC. & DISCH. POINT ☐ CALCULATIONS ☐ METRO FORM

# THE CITY OF SEATTLE

SEATTLE TRANSPORTATION  
STREET USE DIVISION

APPLICATION

FOR

SIDE SEWER PERMIT

OUTSIDE ☒ INSIDE ☐ REPAIRS ☐

CARD No. \_\_\_\_\_

EASEMENT No. \_\_\_\_\_

HOUSE No. 3414 1/2 2ND AVE SOUTH

OWNER BUTCH LEHARD

PHONE No. 253-848-2371

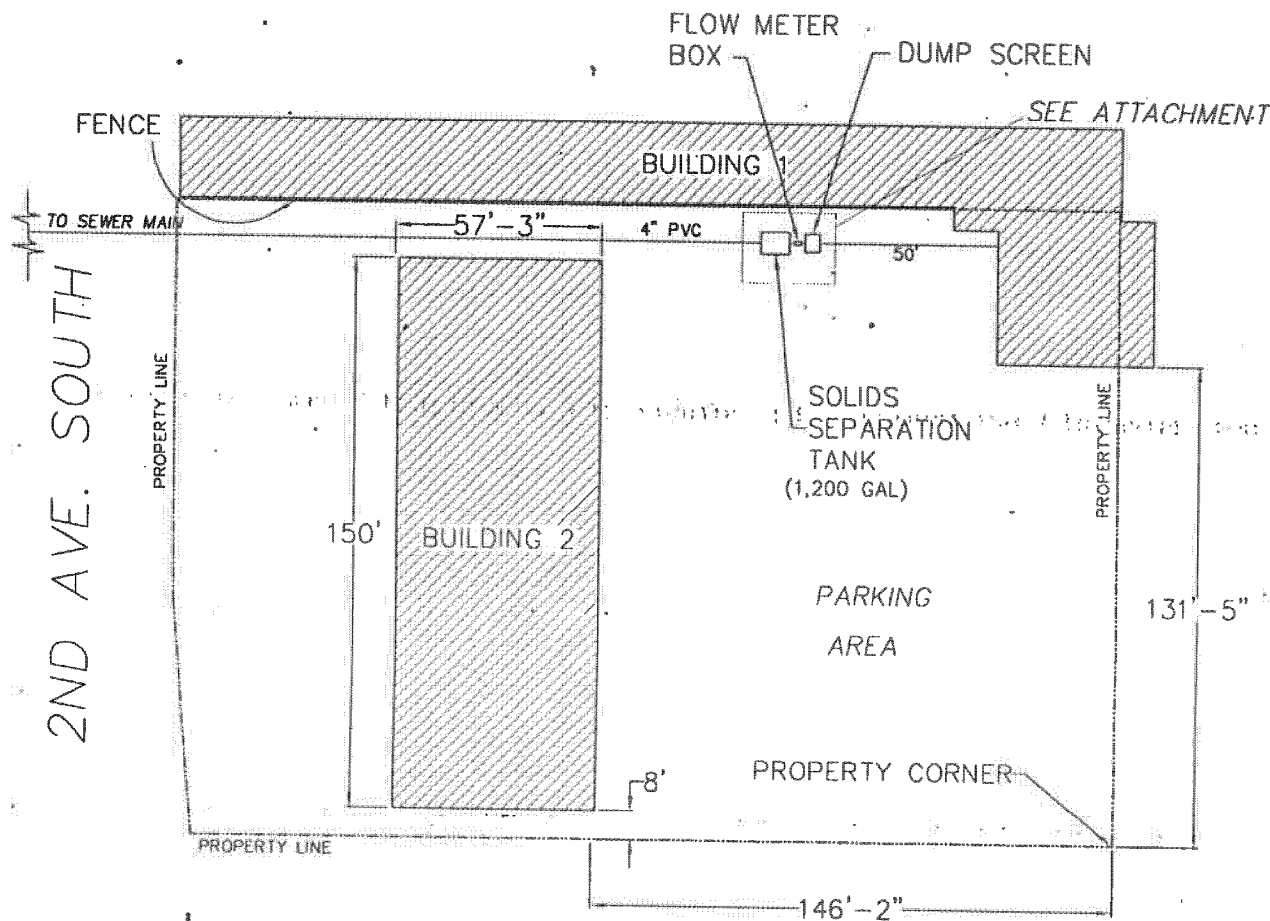
PERMITTEE \_\_\_\_\_

LOT or PARCEL No. LOT # 3 / 261 701

NAME ADDR \_\_\_\_\_

PERMIT No. \_\_\_\_\_

BLOCK No. \_\_\_\_\_



SCALE: 1"=50'

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ADDRESS: P.O. BOX 73399  
PUYALLUP, WA 98373

PHONE NO.: 253-848-2371

APPLICATION APPROVED

DATE \_\_\_\_\_ BY \_\_\_\_\_

☐ MIN. 2 OFFSETS TO LOG. BLDG ☐ DIM. OF BLDG ☐ SS STRUCT. LOG. ☐ SS LOG. FROM BLDG ☐ STORM PIPE LOG. & DISCH. POINT ☐ CALCULATIONS ☐ METRIC FORM

# THE CITY OF SEATTLE

SEATTLE TRANSPORTATION  
STREET USE DIVISION

## APPLICATION

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SIDE SEWER PERMIT

OUTSIDE ☒ INSIDE ☐ REPAIRS ☐

CARD No. \_\_\_\_\_

EASEMENT No. \_\_\_\_\_

HOUSE No. 3414 1/2 2ND AVE SOUTH

OWNER BOYCH LENARD

PHONE No. 253-848-2371

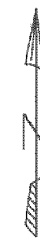
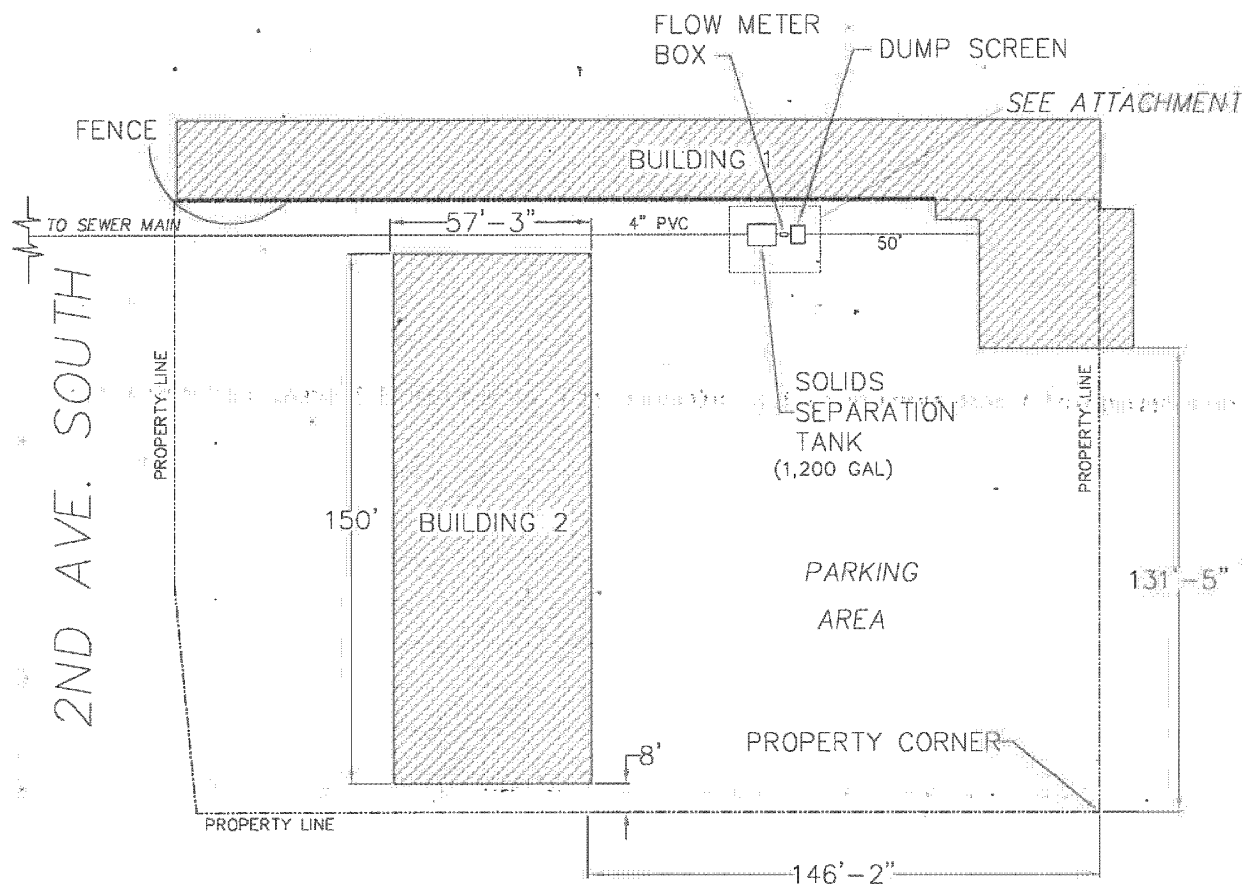
PERMITTEE \_\_\_\_\_

LOT or PARCEL No. LOT # 3 / 261 701

NAME ADDR \_\_\_\_\_

PERMIT No. \_\_\_\_\_

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STREET USE DIVISION

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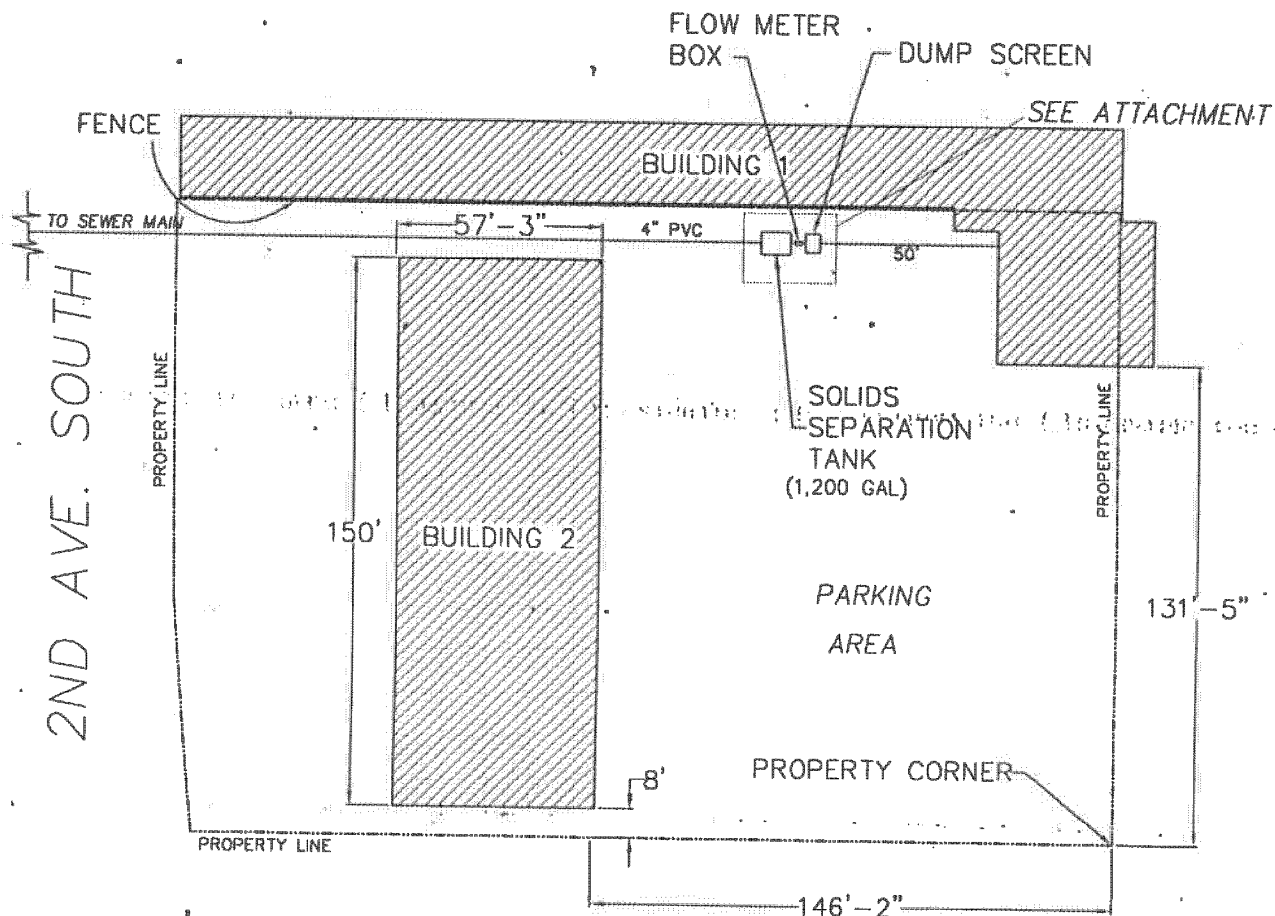
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LOT or PARCEL No. LOT #3 / 261 701

NAME ADDR \_\_\_\_\_

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NWC 001207

HOUSE No. 3414 1/2 2ND AVE SOUTH

OWNER BOYCH LEHARD

PHONE No. 253-848-2371

PERMITTEE

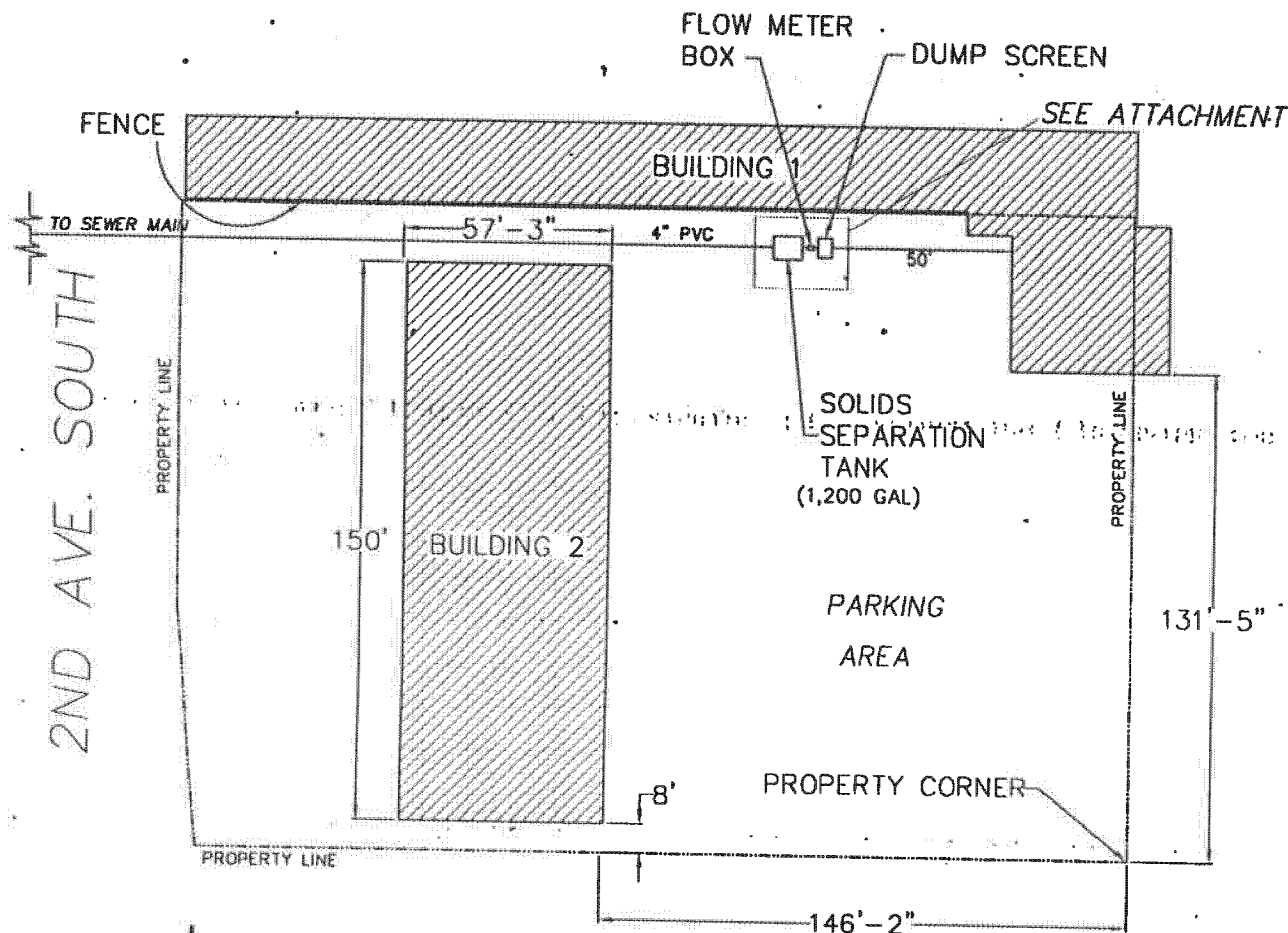
LOT or PARCEL No.

LOT # 3 / 261 701

PERMIT No. \_\_\_\_\_

BLOCK No. \_\_\_\_\_

NAME ADDR



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PHONE No. 253-848-2371

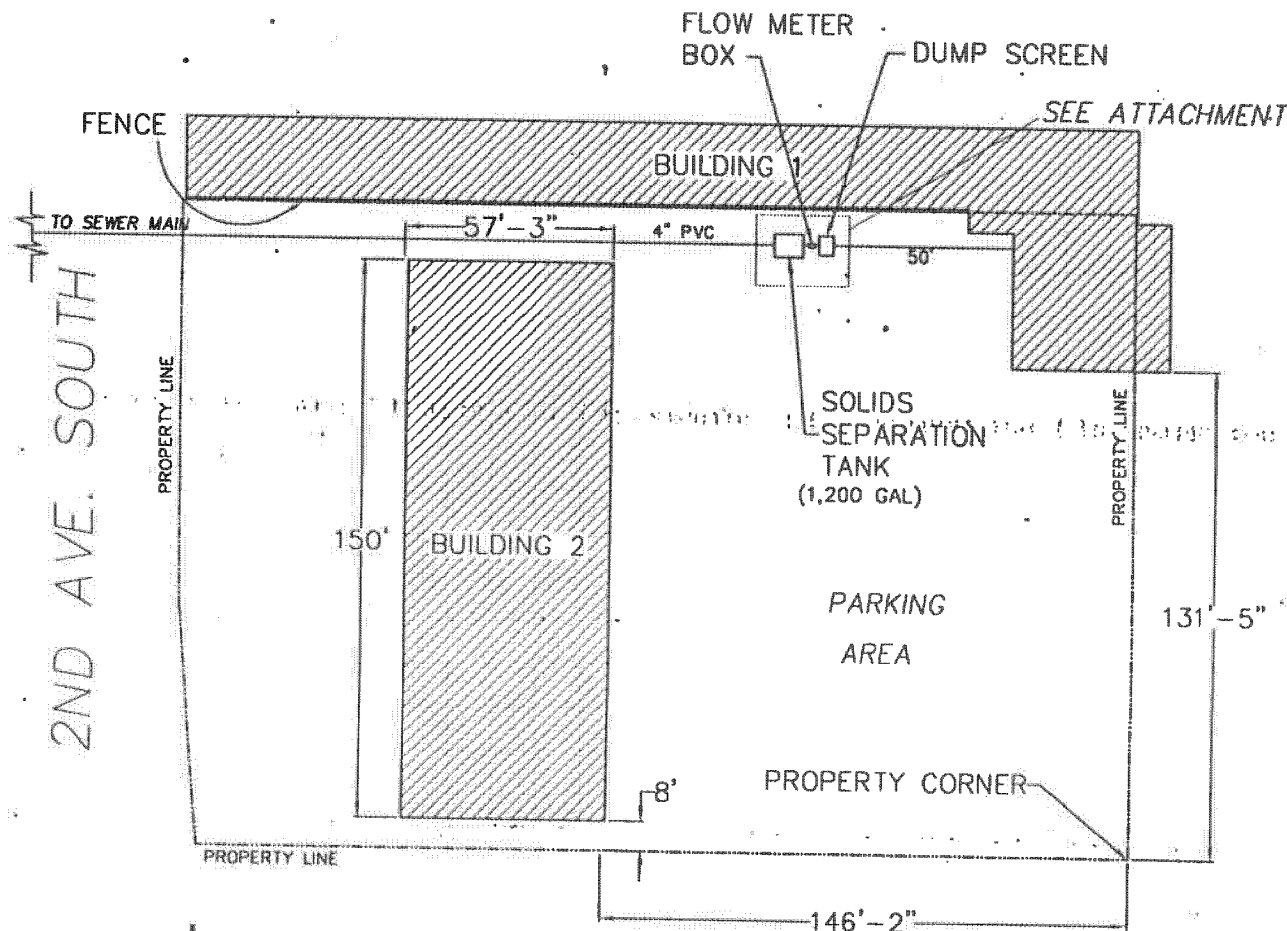
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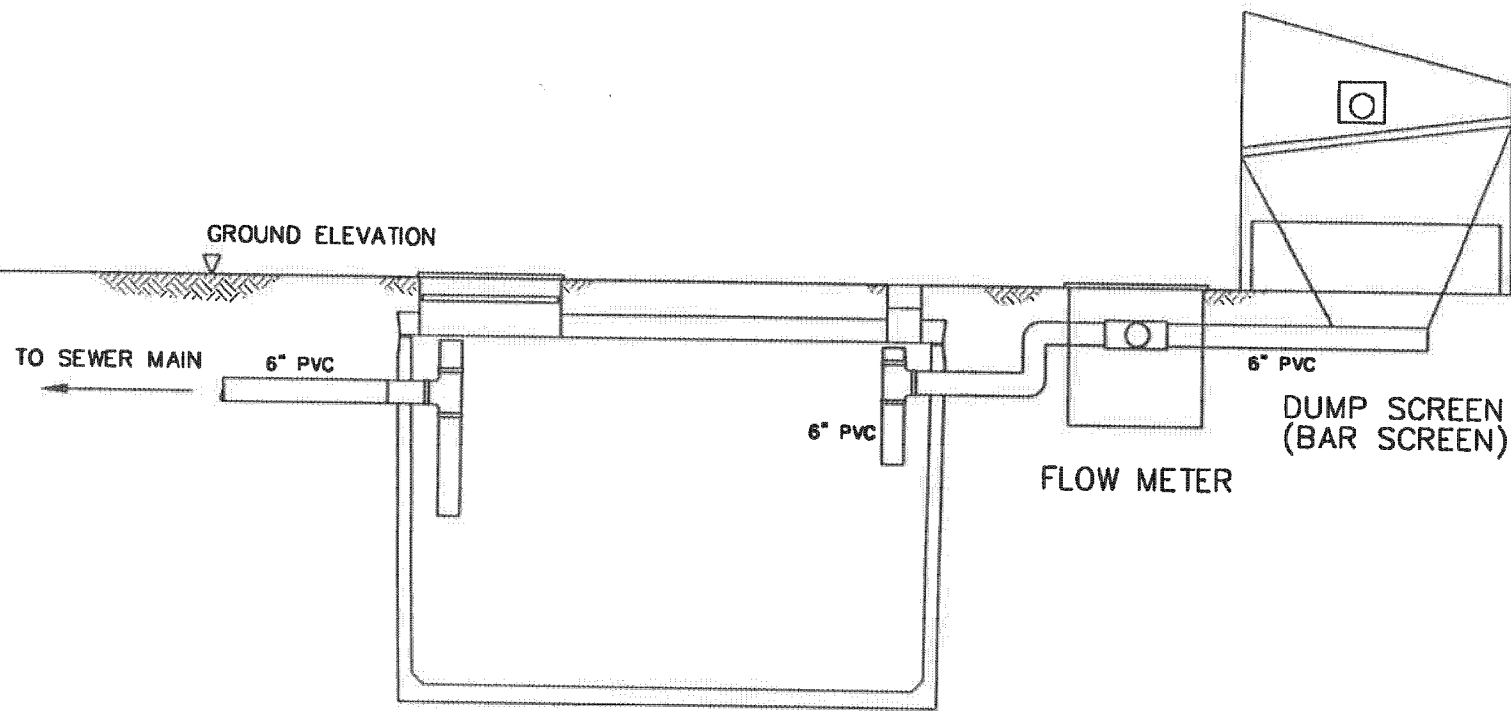
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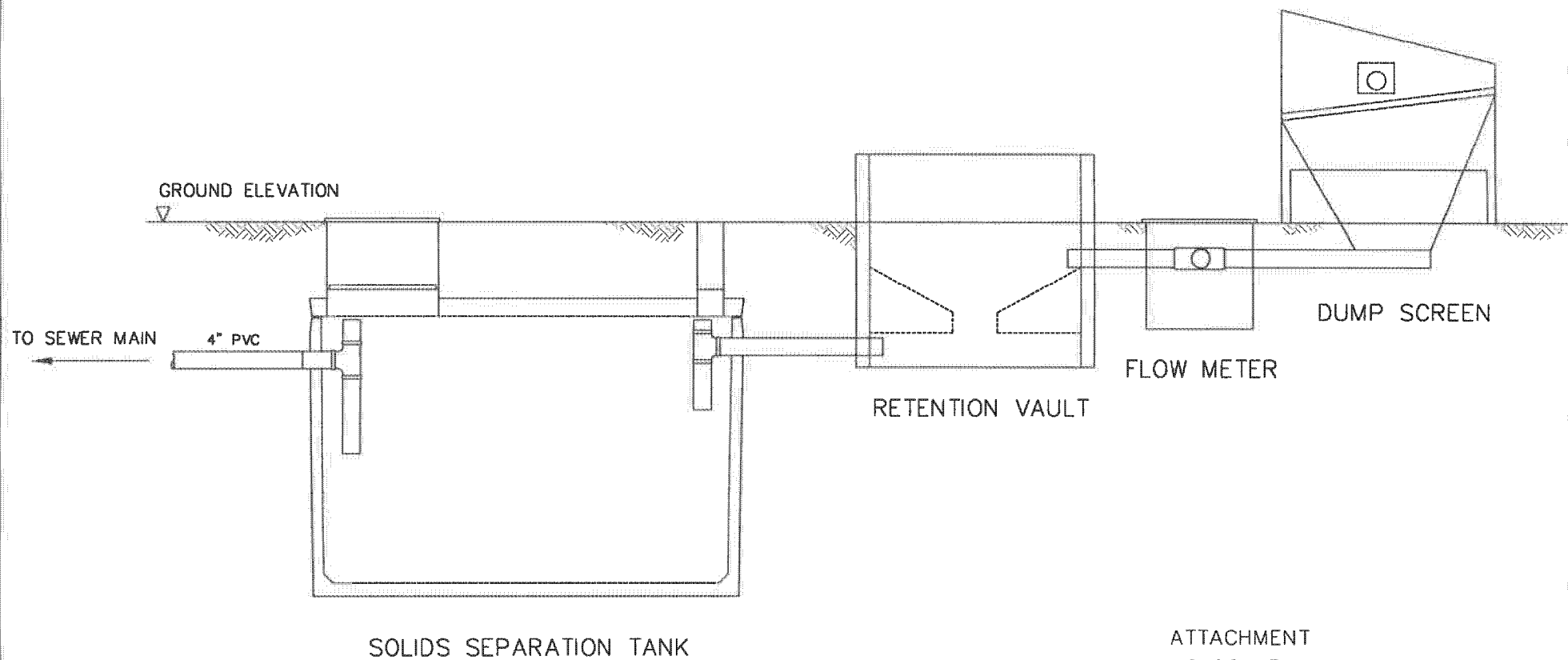
☐ MIN. 2 OFFSETS TO LOC. BLDG ☐ DIM. OF BLDG ☐ SS SUB LOC. ☐ SS LOC. FROM BLDG ☐ STORM PIPE LOC. & DISCH. POINT ☐ CALCULATIONS ☐ METRO FORM



SOLIDS SEPARATION TANK  
(RETENTION VAULT)

ATTACHMENT  
NO SCALE

DWG. BY: ROBERT ALBORNOZ JR  
*Robert M. Albornoz Jr.*  
ADDRESS: P.O. BOX 73399  
PUYALLUP, WA 98373  
PHONE NO.: 253-848-2371



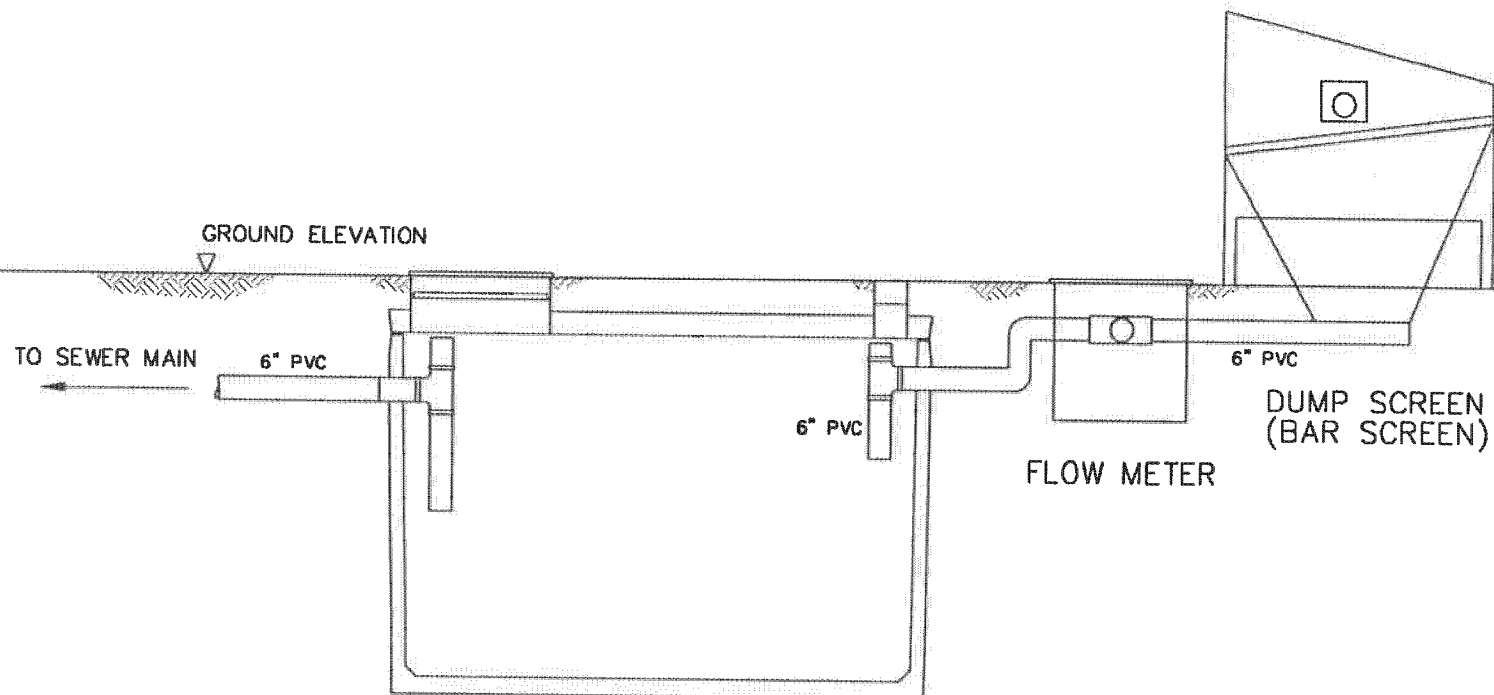
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(RETENTION VAULT)

ATTACHMENT  
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PHONE NO.: 253-848-2371



# THE CITY OF SEATTLE

SEATTLE TRANSPORTATION  
STREET USE DIVISION

## APPLICATION

FOR

SIDE SEWER PERMIT

OUTSIDE ☐ INSIDE ☐ REPAIRS ☐

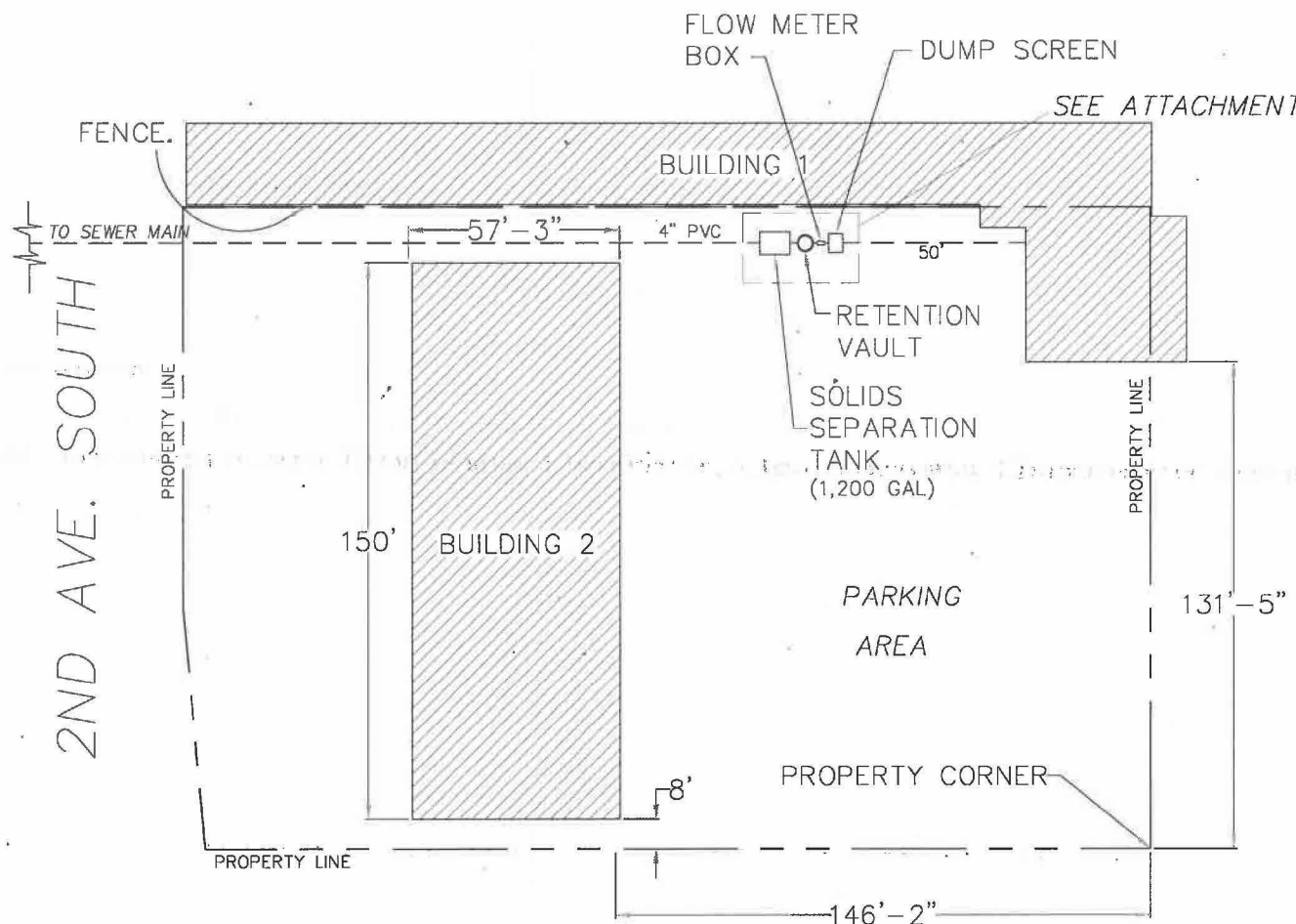
CARD No. \_\_\_\_\_

EASEMENT No. \_\_\_\_\_

HOUSE No. \_\_\_\_\_ PERMITTEE \_\_\_\_\_ PERMIT No. \_\_\_\_\_

OWNER \_\_\_\_\_ LOT or PARCEL No. \_\_\_\_\_ BLOCK No. \_\_\_\_\_

PHONE No. \_\_\_\_\_ NAME ADDR \_\_\_\_\_



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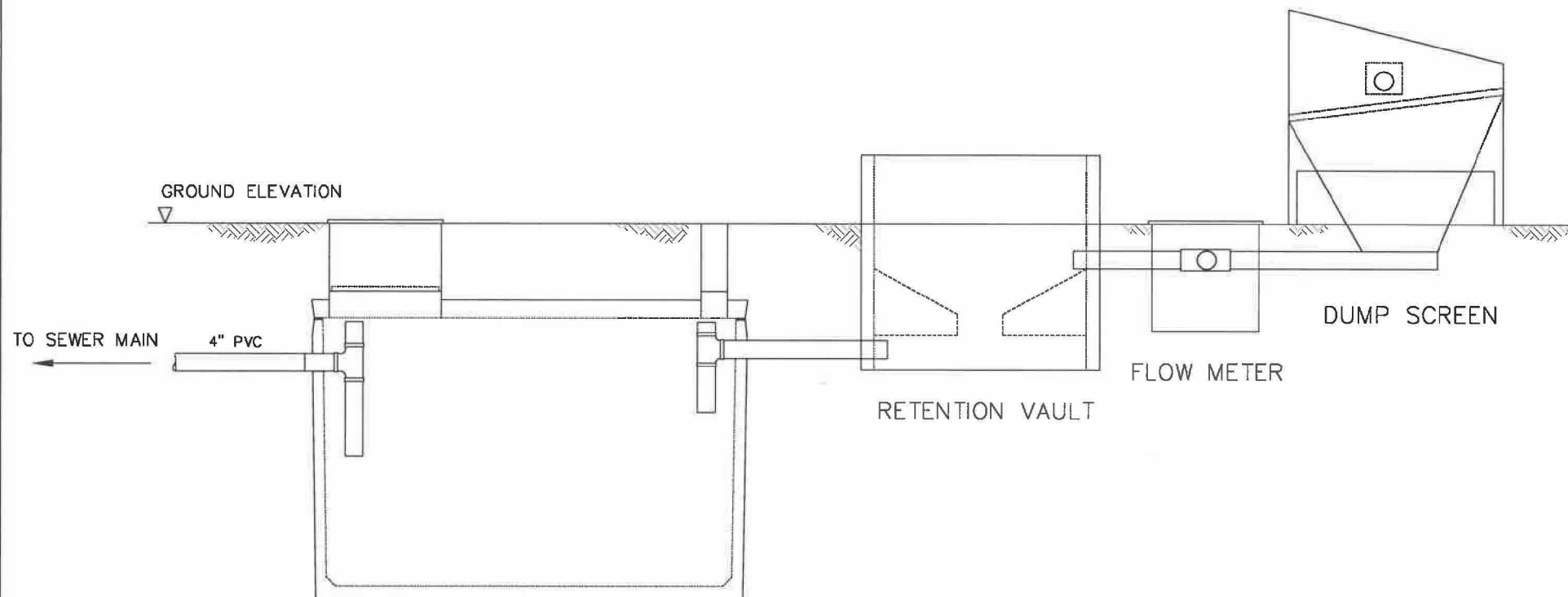
APPLICATION APPROVED

DATE \_\_\_\_\_ BY \_\_\_\_\_

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NWC 001213

DEC 21 11:34AM SED STREET USE



SOLIDS SEPARATION TANK

RETENTION VAULT

FLOW METER

DUMP SCREEN

ATTACHMENT  
NO SCALE

DWG. BY: ROBERT ALBORNOZ JR

*Robert Albornoz Jr.*

ADDRESS: P.O. BOX 73399  
PUYALLUP, WA 98373

PHONE NO.: 253-848-2371

CARD NO. 917-2  
(End - 0)

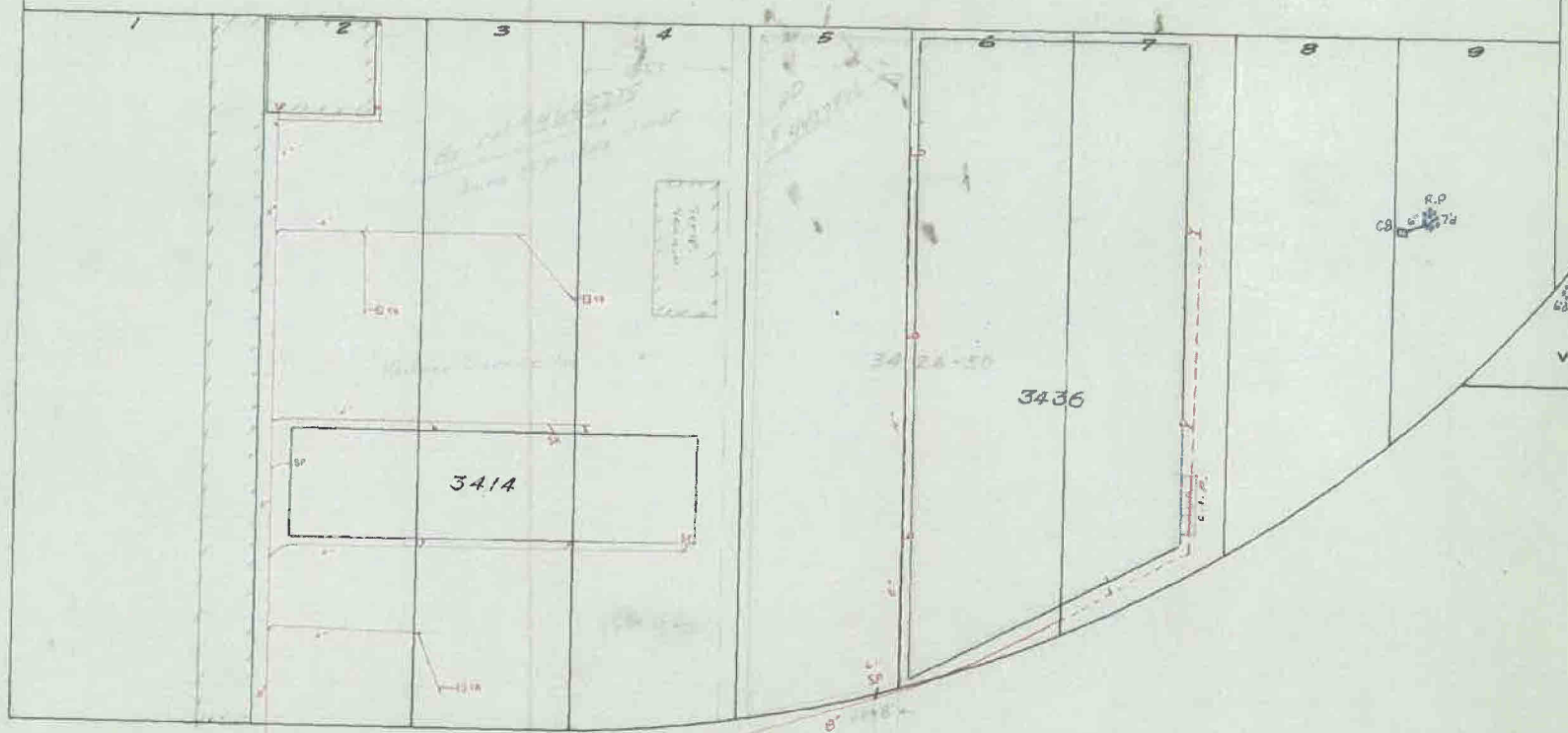
City of Seattle 917-C 10/18/01

2 (1-9) S

2ND AVE. S.

# SEATTLE TIDE LANDS 301

S HINDS ST. (SEE CARD NO. 4454)



PLAN NOS. ... GRAD. SEWERS C.W. PAV.  
L.I.D.'s ...  
BOOKS ...

2ND AVE. S.

PHOTO DATE







**King County**  
**Department of Natural Resources**  
Industrial Waste Program  
130 Nickerson Street, Suite 200  
Seattle, WA 98109-1658  
(206) 263-3000  
(206) 263-3001 FAX

**NW CASCADE**

**FEB 01 2001**

January 30, 2001

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

J.R. Inman  
Northwest Cascade Inc.-Seattle  
P.O. Box 73399  
Puyallup, WA 98373

Issuance of Wastewater Discharge Authorization No. 4008-01 to Northwest Cascade Inc.-Seattle

Dear Mr. Inman:

The King County Industrial Waste Program has reviewed your application to discharge industrial wastewater to the sewer system from the Northwest Cascade Inc.-Seattle facility located at 3414 - 2nd Avenue South, Seattle, Washington and has issued the enclosed Major Discharge Authorization.

This authorization permits you to discharge limited amounts of industrial wastewater into King County's sewer system in accordance with the effluent limitations and other requirements and conditions set forth in the document and the regulations outlined in King County Code 28.84.060 (enclosed). The formal requirements and fees of a full wastewater permit will not be required as long as you maintain good compliance and do not change the nature and volume of your discharge.

If you propose to increase the volume of your discharge or change the type or quantities of substances discharged, you must contact King County at least 60 days before making these changes.

If at any time you have questions about this discharge authorization, or other questions about your discharge, please feel free to call me at (206) 263-3071.

Sincerely,

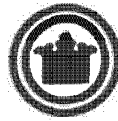
Jeff Bowman  
Investigator  
Industrial Waste Program

Enclosures

cc: Julia Mullin, Seattle Public Utilities  
Doug Hilderbrand, King County



NWC 001217



## **KING COUNTY MAJOR DISCHARGE AUTHORIZATION**

King County Industrial Waste Program  
130 Nickerson Street, Suite 200  
Seattle, Washington 98109-1658

**NUMBER 4008-01**  
for  
**Northwest Cascade Inc.-Seattle**

**Plant Address:** 3414 - 2nd Avenue South  
Seattle, Washington

**Mailing Address:** P.O. Box 73399  
Puyallup, WA 98373

**Phone:** (206) 838-2359

**Emergency (24-Hour) Phone:** (253) 848-2371

**Industry Type:** Chemical Toilet Dumpsite

**SIC Code:** 4953      **EPA Id. #:** N/A

**Sample Site No.:** A45341

**Discharge To:** West Point

\*Note: This authorization is valid only for the specific discharges shown below:

**Discharge Process:** Wastewater generated by Chemical Toilet operation

**Pre-treatment Process:** Screening

**Maximum Volume:** Industrial: 8000 gallons per day

**Effective Date:** February 3, 2001

**Expiration Date:** February 3, 2006

Permission is hereby granted to discharge industrial wastewater from the above-identified facility into the King County sewer system in accordance with the effluent limitations and monitoring requirements set forth in this authorization.

If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for re-issuance of this discharge authorization at least 180 days prior to the expiration date. For information concerning this King County Discharge Authorization, please contact Jeff Bowman, Industrial Waste Investigator, at (206) 263-3071.

### **24-HOUR EMERGENCY NOTIFICATION**

**West Point Treatment Plant:** (206) 263-3801  
**Department of Ecology:** (425) 649-7000



**SPECIAL CONDITIONS**

1. Within 30 days of receipt of this authorization, Northwest Cascade shall install a sewer meter approved by Seattle Public Utility for the assessment of sewer fees. This meter shall be installed to accurately measure the total gallons of chemical toilet waste discharged to this site.
2. Northwest Cascade shall install and maintain a screening or grinding device to prevent solid or viscous material capable of interfering with the operation of the sewer conveyance or treatment facilities.
3. Northwest Cascade shall notify King County Industrial Waste when any changes to the existing chemicals that are discharged to the sanitary sewer, such as toilet deodorizer.

**SELF-MONITORING REQUIREMENTS**

The following self-monitoring requirements shall be met for this discharge authorization:

<b>Sample Site No.</b>	<b>Limit Type</b>	<b>Sample Site Description</b>
A45341	King County Local Limits	Sample "T" after dumpsite
<b><i>Parameter</i></b>	<b><i>Sample Type</i></b>	<b><i>Sample Frequency</i></b>
Total Monthly Flow	Sewer Meter	monthly

A quarterly self-monitoring report shall be filed with Industrial Waste no later than the 15<sup>th</sup> day of the time period following the sample collection. (i.e. the 15<sup>th</sup> day of the following quarter for quarterly monitoring.) After the first year, King County will determine the need for continued self-monitoring. This report must include the total monthly volumes of water discharged.

## **GENERAL DISCHARGE LIMITATIONS**

### **Operating Criteria**

There shall be no odor of solvent, gasoline, or hydrogen sulfide (rotten egg odor), oil sheen, unusual color, or visible turbidity. The discharge must remain translucent. If any of the discharge limits are exceeded, you must stop discharging and notify the King County Industrial Waste Program at (206) 263-3000.

### **Corrosive Substances**

#### **Limits**

Maximum	pH 12.0 (s.u.)
Instantaneous Minimum	pH 5.0 (s.u.)
Daily Minimum	pH 5.5 (s.u.)

The instantaneous minimum pH limit is violated whenever any single grab sample or any instantaneous recording is less than pH 5.0. The daily minimum pH limit is violated whenever any continuous recording of 15 minutes or longer remains below pH 5.5 or when each pH value of four consecutive grab samples collected at 15-minute intervals or longer within a 24-hour period remains below pH 5.5.

Discharges of more than 50 gallons per day of caustic solutions equivalent to more than five percent (5%) NaOH by weight or greater than pH 12.0 are prohibited unless authorized by King County and subject to special conditions to protect worker safety, the collection system, and treatment works.

### **Fats, Oils, and Greases (FOG)**

Discharge of FOG shall not result in significant accumulations that either alone or in combination with other wastes are capable of obstructing flow or interfere with the operation or performance of sewer works or treatment facilities.

Non-polar FOG (oil and grease from petroleum sources): The industrial user shall not discharge wastes that contain in excess of 100 milligrams per liter (mg/L) of non-polar FOG.

Polar FOG (oil and grease from animal and/or vegetable origin): Dischargers of polar FOG shall minimize free-floating polar FOG. Dischargers may not add emulsifying agents exclusively for the purpose of emulsifying free floating FOG.

### **Flammable or Explosive Materials**

No person shall discharge any pollutant, as defined in 40 CFR 401.11, that creates a fire or explosion hazard in any sewer or treatment works, including, but not limited to, wastestreams with a closed cup flashpoint of less than 140 °Fahrenheit or 60 °Centigrade using the test methods specified in 40 CFR 261.21.

At no time shall two successive readings on an explosion hazard meter, at the point of discharge into the system (or at any point in the system), be more than five percent (5%) nor any single reading be more than ten percent (10%) of the Lower Explosive Limit (LEL) of the meter.

Pollutants subject to this prohibition include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides, and any other substances that King County, a fire department, the State, or EPA have notified the user are a fire hazard or a hazard to the system.

**Heavy Metals/Cyanide**

The industrial user shall not discharge waste, which exceed the following limitations:

Heavy Metals & Cyanide	Instantaneous Maximum ppm (mg/L) *	Daily Average ppm (mg/L)**
Arsenic	4.0	1.0
Cadmium	0.6	0.5
Chromium	5.0	2.75
Copper	8.0	3.0
Lead	4.0	2.0
Mercury	0.2	0.1
Nickel	5.0	2.5
Silver	3.0	1.0
Zinc	10.0	5.0
Cyanide	3.0	2.0

\* The instantaneous maximum is violated whenever the concentration of any sample, including a grab within a series used to calculate daily average concentrations, exceeds the limitation.

\*\* The daily average limit is violated: a) for a continuous flow system when a composite sample consisting of four or more consecutive samples collected during a 24-hour period over intervals of 15 minutes or greater exceeds the limitation. A composite sample is defined as at least four grab samples of equal volume taken throughout the processing day from a well-mixed final effluent chamber, and analyzed as a single sample.

**High Temperature**

The industrial user shall not discharge material with a temperature in excess of 65°C (150°F).

**Hydrogen Sulfide**

Atmospheric hydrogen sulfide 10.0 ppm  
(As measured at a monitoring manhole designated by King County)

Soluble sulfide limits may be established on a case-by-case basis depending on discharge volume and oxygen content and existing sulfide concentrations in the receiving sewer.

**Organic Compounds**

No person shall discharge any organic pollutants that result in the presence of toxic gases, vapors, or fumes within a public or private sewer or treatment works in a quantity that may cause worker health and safety problems.

Organic pollutants subject to this restriction include, but are not limited to: Any organic pollutants compound listed in 40 CFR Section 433.11 (e) (Total Toxic Organics (TTO) definition), Acetone, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), and xylenes.

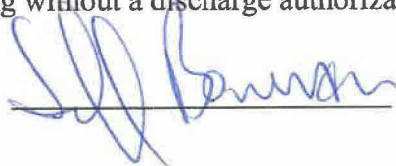
**Settleable Solids**

Settleable solids concentrations 7.0 ml/L as measured by an imhoff cone

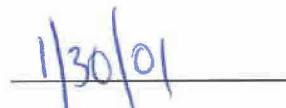
**GENERAL CONDITIONS**

1. All requirements of King County Code pertaining to the discharge of wastes into the municipal sewer system are hereby made a condition of this Discharge Authorization.
2. The industrial discharger shall implement measures to prevent accidental spills or discharges of prohibited substances to the metropolitan sewer system. Such measures include, but are not limited to, secondary containment of chemicals and wastes, elimination of connections to the metropolitan sewer system, and spill response equipment.
3. Any facility changes, which will result in a change in the character or volume of the pollutants discharged to the municipal sewer system, must be reported to your Industrial Waste representative. Any facility changes that will cause the violation of the effluent limitations specified herein will not be allowed.
4. In the event the industrial user is unable to comply with any of the conditions of this Discharge Authorization because of breakdown of equipment or facilities, an accident caused by human error, negligence, or any other cause, such as an act of nature the company shall:
  - a) Take immediate action to stop, contain, and clean up the unauthorized discharges and correct the problem;
  - b) Immediately notify the King County Industrial Waste Program, (206) 263-3000, so steps can be taken to prevent damage to the sewerage system; and
  - c) Submit a written report within 14 days describing the breakdown, the actual quantity and quality of resulting waste discharged, corrective action taken, and the steps taken to prevent recurrence.
5. Compliance with these requirements does not relieve the industrial user from responsibility to maintain continuous compliance with the conditions of the Discharge Authorization or the resulting liability for failure to comply.
6. The industrial user shall, at all reasonable times, allow authorized representatives of King County to enter that portion of the premises where an effluent source or disposal system is located or in which any records are required to be kept under the terms and conditions of this Discharge Authorization.
7. Nothing in the Discharge Authorization shall be construed as excusing the industrial user from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including discharge into waters of the state. Any such discharge is subject to regulation and enforcement action by the Department of Ecology.
8. This authorization does not authorize discharge after its expiration date. If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for reissuance of this discharge authorization at least 180 days prior to the expiration date. If the industrial user submits its reapplication in the time specified herein, the industrial user shall be deemed to have an effective waste discharge authorization until Industrial Waste issues or denies the new waste discharge authorization. If the industrial user fails to file its reapplication in the time period specified herein, the industrial user will be deemed to be discharging without a discharge authorization.

Investigator:



Date:







King County

**Wastewater Treatment Division**  
Industrial Waste Program  
Department of Natural Resources and Parks  
130 Nickerson Street, Suite 200  
Seattle, WA 98109-1658  
**206-263-3000**  
206-263-3001 Fax

NW CASCADE

JUN 23 2005

RECEIVED

June 21, 2005

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

J.R. Inman  
Northwest Cascade Inc.  
P.O. Box 73399  
Puyallup, WA 98373

Application for Renewal of Discharge Authorization No. 4008-01

Dear Mr. Inman:

The Discharge Authorization (DA) for Northwest Cascade Inc.-Seattle expires on February 3, 2006. To continue legally discharging, please submit your application for renewal no later than August 7, 2005.

If the volume of your waste has not increased and the character of your effluent has not changed from that described in your most recent application and you do not expect such changes to occur within the next five years, your renewal application may consist of just a letter. The letter should request renewal and state there has not been a change in operations.

If, however, you have either changed your discharge or expect to within the next five years, please call me at 206-263-3007 or call the Industrial Waste Program at 206-263-3000 for a new application. If you are planning to stop industrial/commercial discharge to the King County sewerage system, please notify this office that you want your DA cancelled. This notification should detail how you plan to dispose of wastewater generated by your operation and include a schedule for terminating the discharge.

King County Code 28.84.060 – Industrial Waste Rules and Regulations authorizes a fee for each DA drafted by the King County Department of Natural Resources and Parks. During 2005, the fee for a major discharge authorization is \$1,545. We will bill you for the fee when we receive your renewal application.

If you have any questions, please call me at 206-263-3007.

Sincerely,

Dave Haberman  
Investigator  
Industrial Waste Program

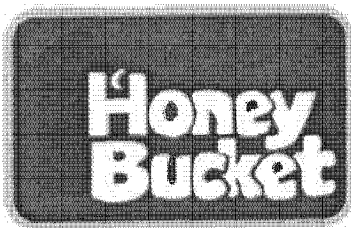
*Letter*  
*Done*  
*7-19-05*  
*[Signature]*



CLEAN WATER – A SOUND INVESTMENT

1202M

NWC 001223



**Clean Portable Restrooms ... Best in the Business**

July 19<sup>th</sup>, 2005

Certified Mail  
Return receipt requested

Dave Haberman  
Investigator  
King County Wastewater Treatment Division  
Industrial Waste Program  
130 Nickerson Street, suite 200  
Seattle WA 98109-1658

RE: Application for Renewal of discharge Authorization No. 4008-01

Dear Mr. Haberman

I am in receipt of your letter dated June 21<sup>st</sup> 2005.  
May this letter serve as a formal request to extend our discharge permit for 5 additional years. We do not expect or plan for any changes in the volumes or character of our effluent over the next 5 years. There has not been a change in our operations.

Thank you.

A handwritten signature in dark ink, appearing to be "J.R. Inman", with a long horizontal line extending to the right.

J.R. Inman

Northwest Cascade Inc.  
DBA Honey Buckets

800-562-4442 fax 253-848-2545 • P.O. Box 73399 • Puyallup, Washington 998374 • [www.nwcascade.com](http://www.nwcascade.com)

NWC 001224





**King County**

**Wastewater Treatment Division**

Industrial Waste Program

Department of Natural Resources and Parks

130 Nickerson Street, Suite 200

Seattle, WA 98109-1658

**206-263-3000**

206-263-3001 Fax

**NW CASCADE**

**JAN 09 2006**

**RECEIVED**

January 4, 2006

**CERTIFIED MAIL**

**RETURN RECEIPT REQUESTED**

J.R. Inman

Northwest Cascade Inc. - Seattle

P.O. Box 73399

Puyallup, WA 98373

Issuance of Wastewater Discharge Authorization No. 4008-02 to Northwest Cascade Inc. - Seattle

Dear Mr. Inman:

The King County Industrial Waste Program has reviewed your application to discharge industrial wastewater to the sewer system from the Northwest Cascade Inc. - Seattle facility located at 3414½ Second Avenue South, Seattle, Washington and has issued the enclosed Major Discharge Authorization.

This authorization permits you to discharge limited amounts of industrial wastewater into King County's sewer system in accordance with the effluent limitations and other requirements and conditions set forth in the document and the regulations outlined in King County Code 28.84.060 (enclosed). The formal requirements and fees of a full wastewater permit will not be required as long as you maintain good compliance and do not change the nature and volume of your discharge.

If you propose to increase the volume of your discharge or change the type or quantities of substances discharged, you must contact King County at least 60 days before making these changes.

If at any time you have questions about this discharge authorization, or other questions about your discharge, please feel free to call me at 206-263-3007.

Sincerely,

Dave Haberman

Investigator

Industrial Waste Program

Enclosures

cc: Terry Kakida, Seattle Public Utilities  
Doug Hilderbrand, King County



**CLEAN WATER - A SOUND INVESTMENT**

1202M

**NWC 001225**



King County

**MAJOR DISCHARGE AUTHORIZATION**

King County Industrial Waste Program  
130 Nickerson Street, Suite 200  
Seattle, Washington 98109-1658

**NUMBER 4008-02**

for

**Northwest Cascade Inc. - Seattle**

**Plant Address:** 3414½ Second Avenue South  
Seattle, Washington

**Mailing Address:** P.O. Box 73399  
Puyallup, WA 98373

**Phone:** 206-838-2359

**Emergency (24-Hour) Phone:** 206-838-2359

**Industry Type:** Chemical Toilet

**SIC Code:** NA **EPA Id. #:** NA

**Sample Site No.:** A45341

**Discharge To:** West Point

\*Note: This authorization is valid only for the specific discharges shown below:

**Discharge Process:** Wastewater generated by Chemical Toilet operation.

**Pre-treatment Process:** Screening

**Maximum Volume:** Industrial: 8,000 gallons per day  
Other: 0 gallons per day  
Total: 8,000 gallons per day

**Effective Date:** February 4, 2006

**Expiration Date:** February 3, 2011

Permission is hereby granted to discharge industrial wastewater from the above-identified facility into the King County sewer system in accordance with the effluent limitations and monitoring requirements set forth in this authorization.

If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for re-issuance of this discharge authorization at least 180 days prior to the expiration date. For information concerning this King County Discharge Authorization please call Dave Haberman, Industrial Waste Investigator, at 206-263-3007.

**24-HOUR EMERGENCY NOTIFICATION**

**West Point Treatment Plant: 206-263-3801**  
**Department of Ecology: 425-649-7000**

## **GENERAL DISCHARGE LIMITATIONS**

### **Operating Criteria**

There shall be no odor of solvent, gasoline, or hydrogen sulfide (rotten egg odor), oil sheen, unusual color, or visible turbidity. The discharge must remain translucent. If any of the discharge limits are exceeded, you must stop discharging and notify the King County Industrial Waste Program at 206-263-3000.

### **Corrosive Substances**

#### **Limits**

Maximum:	pH 12.0 (s.u.)
Instantaneous Minimum:	pH 5.0 (s.u.)
Daily Minimum:	pH 5.5 (s.u.)

The instantaneous minimum pH limit is violated whenever any single grab sample or any instantaneous recording is less than pH 5.0. The daily minimum pH limit is violated whenever any continuous recording of 15 minutes or longer remains below pH 5.5 or when each pH value of four consecutive grab samples collected at 15-minute intervals or longer within a 24-hour period remains below pH 5.5.

Discharges of more than 50 gallons per day of caustic solutions equivalent to more than five percent (5%) NaOH by weight or greater than pH 12.0 are prohibited unless authorized by King County and subject to special conditions to protect worker safety, the collection system, and treatment works.

### **Fats, Oils, and Grease (FOG)**

Discharge of FOG shall not result in significant accumulations that either alone or in combination with other wastes are capable of obstructing flow or interfere with the operation or performance of sewer works or treatment facilities.

Non-polar FOG (oil and grease from petroleum sources): The industrial user shall not discharge wastes that contain in excess of 100 milligrams per liter (mg/L) of non-polar FOG.

Polar FOG (oil and grease from animal and/or vegetable origin): Dischargers of polar FOG shall minimize free-floating polar FOG. Dischargers may not add emulsifying agents exclusively for the purpose of emulsifying free floating FOG.

### **Flammable or Explosive Materials**

No person shall discharge any pollutant, as defined in 40 CFR 403.5, that creates a fire or explosion hazard in any sewer or treatment works, including, but not limited to, waste streams with a closed cup flashpoint of less than 140° Fahrenheit or 60° Centigrade using the test methods specified in 40 CFR 261.21.

At no time shall two successive readings on an explosion hazard meter, at the point of discharge into the system (or at any point in the system), be more than five percent (5%) nor any single reading be more than ten percent (10%) of the Lower Explosive Limit (LEL) of the meter.

Pollutants subject to this prohibition include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides, and any other substances that King County, a fire department, the State, or EPA has notified the user are a fire hazard or a hazard to the system.

### **Heavy Metals/Cyanide**

The industrial user shall not discharge waste, which exceed the following limitations:

<b>Heavy Metals &amp; Cyanide</b>	<b>Instantaneous Maximum ppm (mg/L)*</b>	<b>Daily Average ppm (mg/L)**</b>
Arsenic	4.0	1.0
Cadmium	0.6	0.5
Chromium	5.0	2.75
Copper	8.0	3.0
Lead	4.0	2.0
Mercury	0.2	0.1
Nickel	5.0	2.5
Silver	3.0	1.0
Zinc	10.0	5.0
Cyanide	3.0	2.0

\*The instantaneous maximum is violated whenever the concentration of any sample, including a grab within a series used to calculate daily average concentrations, exceeds the limitation.

\*\*The daily average limit is violated: a) for a continuous flow system when a composite sample consisting of four or more consecutive samples collected during a 24-hour period over intervals of 15 minutes or greater exceeds the limitation, or b) for a batch system when any sample exceeds the limitation. A composite sample is defined as at least four grab samples of equal volume taken throughout the processing day from a well-mixed final effluent chamber, and analyzed as a single sample.

### **Hydrogen Sulfide**

Atmospheric hydrogen sulfide: 10.0 ppm  
(As measured at a monitoring manhole designated by King County)

Soluble sulfide limits may be established on a case-by-case basis depending upon volume of discharge and conditions in the receiving sewer, including oxygen content and existing sulfide concentrations.

### **Organic Compounds**

No person shall discharge any organic pollutants that result in the presence of toxic gases, vapors, or fumes within a public or private sewer or treatment works in a quantity that may cause worker health and safety problems.

Organic pollutants subject to this restriction include, but are not limited to: Any organic pollutants compound listed in 40 CFR Section 433.11 (e) (Total Toxic Organics (TTO) definition), Acetone, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), and xylenes.

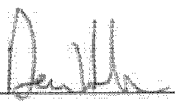
### **Settleable Solids**

Settleable solids concentrations: 7.0 ml/L

### GENERAL CONDITIONS

1. All requirements of King County Code pertaining to the discharge of wastes into the municipal sewer system are hereby made a condition of this Discharge Authorization.
2. The industrial discharger shall implement measures to prevent accidental spills or discharges of prohibited substances to the metropolitan sewer system. Such measures include, but are not limited to, secondary containment of chemicals and wastes, elimination of connections to the metropolitan sewer system, and spill response equipment.
3. Any facility changes, which will result in a change in the character or volume of the pollutants discharged to the municipal sewer system, must be reported to your Industrial Waste representative. Any facility changes that will cause the violation of the effluent limitations specified herein will not be allowed.
4. In the event the industrial user is unable to comply with any of the conditions of this Discharge Authorization because of breakdown of equipment or facilities, an accident caused by human error, negligence, or any other cause, such as an act of nature the company shall:
  - a) Take immediate action to stop, contain, and clean up the unauthorized discharges and correct the problem;
  - b) immediately notify the King County Industrial Waste Program, 206-263-3000, so steps can be taken to prevent damage to the sewerage system; and
  - c) submit a written report within 14 days describing the breakdown, the actual quantity and quality of resulting waste discharged, corrective action taken, and the steps taken to prevent recurrence.
5. Compliance with these requirements does not relieve the industrial user from responsibility to maintain continuous compliance with the conditions of the Discharge Authorization or the resulting liability for failure to comply.
6. The industrial user shall, at all reasonable times, allow authorized representatives of King County to enter that portion of the premises where an effluent source or disposal system is located or in which any records are required to be kept under the terms and conditions of this Discharge Authorization.
7. Nothing in the Discharge Authorization shall be construed as excusing the industrial user from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including discharge into waters of the state. Any such discharge is subject to regulation and enforcement action by the Department of Ecology.
8. This authorization does not authorize discharge after its expiration date. If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for reissuance of this discharge authorization at least 180 days prior to the expiration date. If the industrial user submits its reapplication in the time specified herein, the industrial user shall be deemed to have an effective waste discharge authorization until Industrial Waste issues or denies the new waste discharge authorization. If the industrial user fails to file its reapplication in the time period specified herein, the industrial user will be deemed to be discharging without a discharge authorization.

Investigator: \_\_\_\_\_



Date: \_\_\_\_\_

1-5-06



**King County**

**Wastewater Treatment Division**

Industrial Waste Program

Department of Natural Resources and Parks

130 Nickerson Street, Suite 200

Seattle, WA 98109-1658

**206-263-3000** Fax 206-263-3001

TTY Relay: 711

**NW CASCADE**

**JAN 26 2011**

January 20, 2011

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

Ron Inman  
Northwest Cascade Inc.  
P.O. Box 73399  
Puyallup, WA 98373

Issuance of Wastewater Discharge Authorization No. 4008-03 to Northwest Cascade Inc.

Dear Mr. Inman:

The King County Industrial Waste Program has reviewed your application to discharge industrial wastewater to the sewer system from the Northwest Cascade Inc. facility located at 3414½ Second Avenue South, Seattle, Washington, and has issued the enclosed Major Discharge Authorization. The enclosed Discharge Authorization No. 4008-03 supersedes and cancels Discharge Authorization No. 4008-02, effective February 4, 2011.

This authorization permits you to discharge limited amounts of industrial wastewater into King County's sewer system in accordance with the effluent limitations and other requirements and conditions set forth in the document and the regulations outlined in King County Code 28.84.060 (enclosed). As long as you maintain good compliance and do not change the nature and volume of your discharge, the formal requirements and fees of a full wastewater permit will not be required.

If you propose to increase the volume of your discharge or change the type or quantities of substances discharged, you must contact the King County Industrial Waste Program at least 60 days before making these changes.

If at any time you have questions about this Discharge Authorization, or other questions about your wastewater discharge, please call me at 206-263-3008 or e-mail me at [jim.sifford@kingcounty.gov](mailto:jim.sifford@kingcounty.gov). You may also wish to visit our program's Internet pages at: [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).



Ron Inman  
January 20, 2011  
Page 2

Thank you for helping support our mission to protect public health and enhance the environment.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jim Sifford". The signature is fluid and cursive, with the first name "Jim" being more prominent.

Jim Sifford  
Compliance Investigator

Enclosures

cc: Julie Howell, Seattle Public Utilities  
Doug Hilderbrand, King County



**King County**

**MAJOR DISCHARGE AUTHORIZATION**

King County Industrial Waste Program  
130 Nickerson Street, Suite 200  
Seattle, Washington 98109-1658

**NUMBER 4008-03**

For

**Northwest Cascade Inc. - Seattle**

**Plant Address:** 3414½ Second Avenue S.  
Seattle, Washington

**Mailing Address:** P.O. Box 73399  
Puyallup, WA 98373

**Phone:** 253-848-2371

**Emergency (24-Hour) Phone:** 253-405-6625

**Industry Type:** Chemical Toilet

**SIC Code:** 4953 **EPA Id. #:** NA

**Sample Site No.:** A45341

**Discharge To:** West Point Treatment Plant

\*Note: This authorization is valid only for the specific discharges shown below:

**Discharge Process:** Wastewater generated by chemical toilet operations.

**Pre-treatment Process:** Gravity Separation and Screening

**Maximum Industrial Volume:** 12,000 gallons per day

**Effective Date:** February 4, 2011

**Expiration Date:** February 3, 2016

Permission is hereby granted to discharge industrial wastewater from the above-identified facility into the King County sewer system in accordance with the effluent limitations and monitoring requirements set forth in this authorization.

If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for re-issuance of this discharge authorization at least 180 days prior to the expiration date. For information concerning this King County Discharge Authorization please call Industrial Waste Compliance Investigator Jim Sifford at 206-263-3008.

**24-HOUR EMERGENCY NOTIFICATION**

**West Point Treatment Plant: 206-263-3801**

**Department of Ecology: 425-649-7000**

**SPECIAL CONDITIONS**

**A. Organic Chemical Screening Level**

1,4-Dichlorobenzene: 25 ppb

**B. Requirement for Exceedences of the Screening Level**

1. Whenever King County or the permittee's self-monitoring results exceed the organic chemical screening level for 1,4-Dichlorobenzene, the permittee shall submit a plan indicating the steps that will be taken to ensure that organic chemical discharges do not exceed screening levels.
2. The plan shall be submitted within 30 days of submittal of the self-monitoring report that indicates organic chemical discharges exceed screening levels.
3. The plan shall indicate the steps that will be taken to reduce organic chemical concentrations so that they remain consistently below screening levels, within 60 days.
4. King County will review this plan and permittee's response to determine whether or not any revisions need to be made to this Discharge Authorization to ensure continued compliance with the screening limit for 1,4-Dichlorobenzene.

**SELF-MONITORING REQUIREMENTS**

A. The following self-monitoring requirements shall be met for this discharge authorization:

Parameter	CAS-RN	Frequency	Sample Type
1,4-Dichlorobenzene	106-46-7	Semi - Annually	Grab
Total Monthly Flow	NA	Monthly	Meter reading
Hydrogen Sulfide	NA	Only if operating criteria are exceeded.	Meter reading
Settleable Solids	NA	Only if operating criteria are exceeded.	Grab <sup>B</sup>
Explosivity	NA	Only if operating criteria are exceeded.	Meter reading

B. The settleable solids field test by Imhoff cone must be performed as follows:

1. Fill Imhoff cone to one-liter mark with well-mixed sample.
2. Allow 45 minutes to settle.
3. Gently stir sides of cone with a rod or by spinning. Settle 15 minutes longer.
4. Record volume of settleable matter in the cone as mL/L.

C. If a violation of any discharge limits or operating criteria is detected in monitoring, you shall notify the King County Industrial Waste Program immediately upon receipt of analytical data.

D. A semi-annual self-monitoring report shall be filed with the King County Industrial Waste Program no later than July 15 and January 15 of each year. The semi-annual report must include the total monthly volumes of water discharged to the sewer as well as the analytical results for the previous six months monitoring. If no discharge takes place during the six-month period, it shall be noted on the semi-annual report.

E. All self-monitoring data submitted to the King County Industrial Waste Program, which required a laboratory analysis, must have been performed by a laboratory accredited by the Washington State Department of Ecology for each parameter tested, using procedures approved by 40 CFR 136. This does not apply to field measurements performed by the industrial user such as pH, temperature, flow, atmospheric hydrogen sulfide, total dissolved sulfides, total settleable solids by Imhoff cone, or process control information.

F. All sampling data collected by the permittee and analyzed using procedures approved by 40 CFR 136 or approved alternatives shall be submitted to the King County Industrial Waste Program whether required as part of this permit or done voluntarily by the permittee.

G. Self-monitoring reports shall be signed by an authorized representative of the industrial user. The authorized representative of the industrial user is defined as:

1. The president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation.

2. The manager of one or more manufacturing, production, or operating facilities, but only if the manager:
  - a. Is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations;
  - b. Can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements and knowledgeable of King County reporting requirements; and
  - c. Has been assigned or delegated the authority to sign documents, in accordance with corporate procedures.
3. A general partner or proprietor if the industrial user is a partnership or proprietorship, respectively.
4. A director or highest official appointed or designated to oversee the operation and performance of the industry if the industrial user is a government agency.
5. The individuals described in 1 through 4 above may designate an authorized representative if:
  - a. The authorization is submitted to King County in writing; and
  - b. The authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company or agency.

## **GENERAL DISCHARGE LIMITATIONS**

### **Operating Criteria**

There shall be no odor of solvent, gasoline, or hydrogen sulfide (rotten egg odor), oil sheen, unusual color, or visible turbidity. The discharge must remain translucent. If any of the discharge limits are exceeded, you must stop discharging and notify the King County Industrial Waste Program at 206-263-3000.

### **Corrosive Substances**

#### **Limits**

Maximum:	pH 12.0 (s.u.)
Instantaneous Minimum:	pH 5.0 (s.u.)
Daily Minimum:	pH 5.5 (s.u.)

The instantaneous minimum pH limit is violated whenever any single grab sample or any instantaneous recording is less than pH 5.0. The daily minimum pH limit is violated whenever any continuous recording of 15 minutes or longer remains below pH 5.5 or when each pH value of four consecutive grab samples collected at 15-minute intervals or longer within a 24-hour period remains below pH 5.5.

Discharges of more than 50 gallons per day of caustic solutions equivalent to more than five percent NaOH by weight or greater than pH 12.0 are prohibited unless authorized by the King County Industrial Waste Program and subject to special conditions to protect worker safety, the collection system, and treatment works.

### **Fats, Oils, and Grease (FOG)**

Discharge of FOG shall not result in significant accumulations that either alone or in combination with other wastes are capable of obstructing flow or interfere with the operation or performance of sewer works or treatment facilities.

Nonpolar FOG (oil and grease from petroleum sources): The three nonpolar fats, oils, and grease (FOG) grab samples shall be of equal volume, collected at least five minutes apart, and analyzed separately. When using EPA approved protocols specified in 40 CFR Part 136, the individual grab samples may be composited (at the laboratory) prior to analysis. The result of the composite sample or the average of the concentrations of the three grab samples may be reported as Total FOG unless the value is 100 mg/L or greater, in which case the concentration of nonpolar FOG must be reported.

Polar FOG (oil and grease from animal and/or vegetable origin): Dischargers of polar FOG shall minimize free-floating polar FOG. Dischargers may not add emulsifying agents exclusively for the purpose of emulsifying free floating FOG.

### **Flammable or Explosive Materials**

No person shall discharge any pollutant, as defined in 40 CFR 403.5, that creates a fire or explosion hazard in any sewer or treatment works, including, but not limited to, waste streams with a closed cup flashpoint of less than 140° Fahrenheit or 60° Centigrade using the test methods specified in 40 CFR 261.21.

At no time shall two successive readings on an explosion hazard meter, at the point of discharge into the system (or at any point in the system), be more than five percent nor any single reading be more than 10 percent of the Lower Explosive Limit (LEL) of the meter.

Pollutants subject to this prohibition include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides, and any other substances that King County, a fire department, Washington State, or EPA has notified the user are a fire hazard or a hazard to the system.

### **Heavy Metals/Cyanide**

The industrial user shall not discharge waste, which exceeds the following limitations:

<b>Heavy Metals &amp; Cyanide</b>	<b>Instantaneous Maximum ppm (mg/L)<sup>1</sup></b>	<b>Daily Average ppm (mg/L)<sup>2</sup></b>
Arsenic	4.0	1.0
Cadmium	0.6	0.5
Chromium	5.0	2.75
Copper	8.0	3.0
Lead	4.0	2.0
Mercury	0.2	0.1
Nickel	5.0	2.5
Silver	3.0	1.0
Zinc	10.0	5.0
Cyanide	3.0	2.0

<sup>1</sup>The instantaneous maximum is violated whenever the concentration of any sample, including a grab within a series used to calculate daily average concentrations, exceeds the limitation.

<sup>2</sup>The daily average limit is violated: a) for a continuous flow system when a composite sample consisting of four or more consecutive samples collected during a 24-hour period over intervals of 15 minutes or greater exceeds the limitation, or b) for a batch system when any sample exceeds the limitation. A composite sample is defined as at least four grab samples of equal volume taken throughout the processing day from a well-mixed final effluent chamber, and analyzed as a single sample.

### **High Temperature**

The industrial user shall not discharge material with a temperature in excess of 65°C (150°F).

### **Hydrogen Sulfide**

Atmospheric hydrogen sulfide: 10.0 ppm  
(As measured at a monitoring manhole designated by King County)

Soluble sulfide limits may be established on a case-by-case basis depending upon volume of discharge and conditions in the receiving sewer, including oxygen content and existing sulfide concentrations.

### **Organic Compounds**

No person shall discharge any organic pollutants that result in the presence of toxic gases, vapors, or fumes within a public or private sewer or treatment works in a quantity that may cause worker health and safety problems.



Organic pollutants subject to this restriction include, but are not limited to: Any organic pollutants compound listed in 40 CFR Section 433.11 (e) (Total Toxic Organics (TTO) definition), Acetone, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), and xylenes.

**Settleable Solids**

Settleable solids concentrations: 7.0 ml/L

**GENERAL CONDITIONS**

- A. All requirements of King County Code pertaining to the discharge of wastes into the municipal sewer system are hereby made a condition of this Discharge Authorization.
- B. The industrial discharger shall implement measures to prevent accidental spills or discharges of prohibited substances to the municipal sewer system. Such measures include, but are not limited to, secondary containment of chemicals and wastes, elimination of connections to the municipal sewer system, and spill response equipment.
- C. Any facility changes, which will result in a change in the character or volume of the pollutants discharged to the municipal sewer system, must be reported to your King County Industrial Waste Program representative. Any facility changes that will cause the violation of the effluent limitations specified herein will not be allowed.
- D. In the event the permittee is unable to comply with any of the conditions of this Discharge Authorization because of breakdown of equipment or facilities, an accident caused by human error, negligence, or any other cause, such as an act of nature the company shall:
1. Take immediate action to stop, contain, and clean up the unauthorized discharges and correct the problem.
  2. Immediately notify the King County Industrial Waste Program, 206-263-3000, so steps can be taken to prevent damage to the sewerage system.
  3. Submit a written report within 14 days describing the breakdown, the actual quantity and quality of resulting waste discharged, corrective action taken, and the steps taken to prevent recurrence.
- E. Compliance with these requirements does not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this Discharge Authorization or the resulting liability for failure to comply.
- F. The permittee shall, at all reasonable times, allow authorized representatives of the King County Industrial Waste Program to enter that portion of the premises where an effluent source or disposal system is located or in which any records are required to be kept under the terms and conditions of this Discharge Authorization.
- G. Nothing in this Discharge Authorization shall be construed as excusing the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including discharge into waters of the state. Any such discharge is subject to regulation and enforcement action by the Washington State Department of Ecology.
- H. This Discharge Authorization does not authorize discharge after its expiration date. If the permittee wishes to continue to discharge after the expiration date, an application must be filed for reissuance of this Discharge Authorization at least 180 days prior to the expiration date. If the permittee submits its reapplication in the time specified herein, the permittee shall be deemed to have an effective wastewater Discharge Authorization until the King County Industrial Waste Program issues or denies the new wastewater Discharge Authorization. If the permittee fails to file its reapplication in the time period specified herein, the permittee will be deemed to be discharging without authorization.

Compliance Investigator:

  
Jim Sifford

Date:

1/20/11



King County

# Industrial Waste Semi-Annual Self-Monitoring Report

Mail or FAX to: King County Industrial Waste  
130 Nickerson Street, Suite 200  
Seattle, WA 98109-1658  
Phone 206-263-3000 / FAX 206-263-3001

Company Name: Northwest Cascade, Inc. - Seattle

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

Please specify year: 20 Semi-Annual Report for Semester 2 Sample Site No.: A45341 Permit/DA No.: 4008-03

All units are mg/l unless otherwise noted. Note: Write in self-monitoring parameters, if not provided, e.g. Silver (Ag) or settleable solids (ml/L).

Sample Date month/day	Sample Type C (Composite) G (Grab) BC (Batch)							1,4 - Dichlorobenzene (µg/L)	Total Monthly Flow (gallons)
Jul/____									
Aug/____									
Sep/____									
Oct/____									
Nov/____									
Dec/____									
<div style="display: flex; justify-content: space-between;"> <span>→</span> <span>Total Volume Semester 2: _____ gallons</span> </div>									
<div> <div>NOTES:</div> <div style="height: 200px;"></div> </div>									

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.

Signature of Principal Executive or Authorized Agent

Date

**Due Date:** Semi-annual report for Semester 2 is due by January 15 of each year. **Please Note:** Do not include original laboratory reports with this form unless otherwise requested. Keep the original laboratory reports on file and available for inspection for at least 3 years.



King County

# Industrial Waste Semi-Annual Self-Monitoring Report

Mail or FAX to: King County Industrial Waste  
130 Nickerson Street, Suite 200  
Seattle, WA 98109-1658  
Phone 206-263-3000 / FAX 206-263-3001

Company Name: Northwest Cascade, Inc. - Seattle

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

Please specify year: 20 Semi-Annual Report for Semester 1 Sample Site No.: A45341 Permit/DA No.: 4008-03

All units are mg/l unless otherwise noted. Note: Write in self-monitoring parameters, if not provided, e.g. Silver (Ag) or settleable solids (ml/L).

Sample Date month/day	Sample Type C (Composite) G (Grab) BC (Batch)							1,4 - Dichlorobenzene (µg/L)	Total Monthly Flow (gallons)
Jan/____									
Feb/____									
Mar/____									
Apr/____									
May/____									
Jun/____									
<div style="display: flex; justify-content: space-between;"> <span>→ Total Volume Semester 1:</span> <span>gallons</span> </div>									
<div style="display: flex;"> <div style="flex: 1;"> <p>NOTES:</p> </div> <div style="flex: 1; font-size: small; padding-top: 10px;"> <p>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested.</p> </div> </div>									

Date

Signature of Principal Executive or Authorized Agent

**Due Date:** Semi-annual report for Semester 1 is due by July 15 of each year. **Please Note:** Do not include original laboratory reports with this form unless otherwise requested. Keep the original laboratory reports on file and available for inspection for at least 3 years.



## King County

### Wastewater Treatment Division

#### Industrial Waste Program

Department of Natural Resources and Parks

130 Nickerson Street, Suite 200

Seattle, WA 98109-1658

206-263-3000 Fax 206-263-3001

TTY Relay: 711

NW CASCADE

JUL 8 2010

July 6, 2010

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

J.R. Inman

Northwest Cascade Inc.

P.O. Box 73399

Puyallup, WA 98373

Application for Renewal of Discharge Authorization No. 4008-02

Dear Mr. Inman:

The discharge authorization (DA) for Northwest Cascade, Inc. - Seattle expires on February 3, 2011. To continue discharging legally past the expiration date, you must complete and file the enclosed application for renewal. For the King County Industrial Waste Program to reissue your discharge authorization in a timely manner, please submit your completed application no later than August 7, 2010.

If you are planning to stop industrial/commercial discharge to the King County sewer system, please notify our program that you want your DA cancelled. This notification should detail how you plan to dispose of wastewater generated by your operation and include a schedule for terminating the discharge.

King County Code 28.84.060 – Industrial Waste Rules and Regulations authorizes a fee for each DA issued by the King County Department of Natural Resources and Parks. During 2010 the issuance fee for a major discharge authorization is \$1100. We will bill you separately for the fee when we have received your application.

An application packet is enclosed. If you have any questions, please call me at 206-263-3008.

Sincerely,

Jim Sifford

Compliance Investigator

Industrial Waste Program

Enclosures





## King County

### Wastewater Treatment Division Industrial Waste Program

Department of Natural Resources and Parks

201 South Jackson Street, Suite 513  
Seattle, WA 98104-3855

**206-477-5300** Fax 206-263-3001

TTY Relay: 711

NW CASCADE

January 12, 2016

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Tim Petersen  
Northwest Cascade Inc. - Seattle  
P.O. Box 73399  
Puyallup, WA 98373

Issuance of Wastewater Discharge Authorization No. 4008-04 to Northwest Cascade Inc. -  
Seattle

Dear Mr. Petersen:

The King County Industrial Waste Program (KCIW) has reviewed your application to discharge industrial wastewater to the sewer system from the Northwest Cascade Inc. - Seattle facility located at 3414½ Second Avenue South, Seattle, Washington, and has issued the enclosed Major Discharge Authorization. The enclosed Discharge Authorization No. 4008-04 supersedes and cancels Discharge Authorization No. 4008-03, effective February 4, 2016.

This authorization permits you to discharge limited amounts of industrial wastewater into King County's sewer system in accordance with the effluent limitations and other requirements and conditions set forth in the document and the regulations outlined in King County Code 28.84.060 (enclosed). As long as you maintain compliance with regulations and do not change the nature and volume of your discharge, KCIW will not require you to apply for an industrial wastewater discharge permit, a type of approval that would result in additional requirements and increased fees.

The major changes in this renewed discharge authorization include:

1. Increased the self-monitoring reporting frequency from semi-annual to quarterly
2. Increased the total industrial daily discharge limit from 12,000 gallons per day (gpd) to 18,000 gpd

Tim Petersen  
January 12, 2016  
Page 2

If you propose to increase the volume of your discharge or change the type or quantities of substances discharged, you must contact KCIW at least 60 days before making these changes.

King County Code 28.84 authorizes a fee for each Major Discharge Authorization issued by the King County Department of Natural Resources and Parks. The current fee for issuance of a Major Discharge Authorization is \$2,280. King County will send you an invoice for this amount.

If you have any questions about this discharge authorization or your wastewater discharge, please call me at 206-477-5457 or email me at [dana.heinz@kingcounty.gov](mailto:dana.heinz@kingcounty.gov). You may also wish to visit our program's Internet pages at: [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

Thank you for helping support our mission to protect public health and enhance the environment.

Sincerely,



Dana Heinz  
Compliance Investigator

Enclosures

cc: Julie Howell, Seattle Public Utilities  
Kristin Painter, King County





## King County

### MAJOR DISCHARGE AUTHORIZATION

King County Industrial Waste Program  
201 S. Jackson Street, Suite 513  
Seattle, WA 98104-3855

NUMBER 4008-04

for

### Northwest Cascade Inc. - Seattle

**Facility address:** 3414½ Second Avenue South  
Seattle, WA 98134

**Mailing address:** P.O. Box 73399  
Puyallup, WA 98373

**Phone:** 253-848-2371

**Emergency (24-hour) phone:** 253-606-2855

**Industry type:** Chemical Toilet

**SIC code:** 4953 **EPA Id. No.:** NA

**Discharge to:** West Point Treatment Plant

\*Note: This authorization is valid only for the specific discharges shown below:

**Discharge process:** Wastewater generated by chemical toilet operation

**Pre-treatment process:** Gravity separation and screening

**Effective date:** February 4, 2016

**Expiration date:** February 3, 2021

### DESCRIPTION OF SAMPLE SITES AND DISCHARGE VOLUMES

Sample Site No.	Description	Maximum Industrial Volume (gallons per day)
A45341	Clean-out from solids separator	18,000

Permission is hereby granted to discharge industrial wastewater from the above-identified facility into the King County sewer system in accordance with the effluent limitations and monitoring requirements set forth in this authorization.

If the industrial user wishes to continue to discharge after the expiration date, an application must be filed for re-issuance of this discharge authorization at least 90 days prior to the expiration date. For information concerning this King County Discharge Authorization, please call Industrial Waste Compliance Investigator Dana Heinz at 206-477-5457.

### 24-HOUR EMERGENCY NOTIFICATION

West Point Treatment Plant: 206-263-3801  
Washington State Department of Ecology: 425-649-7000

**SPECIAL CONDITIONS**

**A. Organic Chemical Screening Level**

1, 4-Dichlorobenzene: 25 ppb

**B. Requirement for Exceedences of the Screening Level**

1. Whenever King County or the permittee's self-monitoring results exceed the organic chemical screening level for 1, 4-Dichlorobenzene, the permittee shall submit a plan indicating the steps that will be taken to ensure that organic chemical discharges do not exceed screening levels.
2. The plan shall be submitted within 30 days of submittal of the self-monitoring report that indicates organic chemical discharges exceed screening levels.
3. The plan shall indicate the steps that will be taken to reduce organic chemical concentrations so that they remain consistently below screening levels within 60 days.
4. King County will review this plan and permittee's response to determine whether or not any revisions need to be made to this Discharge Authorization to ensure continued compliance with the screening limit for 1, 4-Dichlorobenzene.

**SELF-MONITORING REQUIREMENTS**

A. The following self-monitoring requirements shall be met for this discharge authorization:

Sample Site No.	Parameter	Cas No.	Sample Type	Collection Frequency	Report Frequency
A45341	1, 4-Dichlorobenzene	106-46-7	Grab	Semi-annually	Semi-annually
A45341	Total monthly flow	NA	Meter Reading	Monthly	Quarterly
A45341	Settleable solids	NA	Grab (by Imhoff cone) <sup>B</sup>	Only if operating criteria are exceeded	
A45341	Hydrogen sulfide	NA	Meter reading	Only if operating criteria are exceeded	
A45341	Explosivity	NA	Meter reading	Only if operating criteria are exceeded	

B. The settleable solids field test by Imhoff cone must be performed as follows:

1. Fill Imhoff cone to one-liter mark with well-mixed sample
2. Allow 45 minutes to settle
3. Gently stir sides of cone with a rod or by spinning; settle 15 minutes longer
4. Record volume of settleable matter in the cone as mL/L

C. If a violation of any discharge limits or operating criteria is detected in monitoring, you shall notify KCIW immediately upon receipt of analytical data.

D. A self-monitoring report shall be filed with KCIW no later than the 15th day of the time period following the sample collection (i.e., the 15th day of the following month for monthly, weekly, daily samples; the 15th day of the following quarter for quarterly samples). If no discharge takes place during any monitoring period, it shall be noted on the report.

E. All self-monitoring data submitted to KCIW, which required a laboratory analysis, must have been performed by a laboratory accredited by the Washington State Department of Ecology for each parameter tested, using procedures approved by 40 CFR 136. This does not apply to field measurements performed by the industrial user such as pH, temperature, flow, atmospheric hydrogen sulfide, total dissolved sulfides, total settleable solids by Imhoff cone, or process control information.

F. All sampling data collected by the permittee and analyzed using procedures approved by 40 CFR 136 or approved alternatives shall be submitted to KCIW whether required as part of this authorization or done voluntarily by the permittee.

G. Self-monitoring reports shall be signed by an authorized representative of the industrial user. The authorized representative of the industrial user is defined as:

1. The president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation
2. The manager of one or more manufacturing, production, or operating facilities, but only if the manager:

- a. Is authorized to make management decisions that govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations
  - b. Can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements and knowledgeable of King County reporting requirements
  - c. Has been assigned or delegated the authority to sign documents, in accordance with corporate procedures
3. A general partner or proprietor if the industrial user is a partnership or proprietorship, respectively
4. A director or highest official appointed or designated to oversee the operation and performance of the industry if the industrial user is a government agency
5. The individuals described in one through four above may designate an authorized representative if:
  - a. The authorization is submitted to King County in writing.
  - b. The authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for environmental matters for the company or agency.

## **GENERAL DISCHARGE LIMITATIONS**

### **Operating criteria**

There shall be no odor of solvent, gasoline, or hydrogen sulfide (rotten egg odor), oil sheen, unusual color, or visible turbidity. The discharge must remain translucent. If any of the discharge limits are exceeded, you must stop discharging and notify KCIW at 206-477-5300.

### **Corrosive substances**

#### **Limits**

Maximum:	pH 12.0 (s.u.)
Instantaneous minimum:	pH 5.0 (s.u.)
Daily minimum:	pH 5.5 (s.u.)

The instantaneous minimum pH limit is violated whenever any single grab sample or any instantaneous recording is less than pH 5.0. The daily minimum pH limit is violated whenever any continuous recording of 15 minutes or longer remains below pH 5.5 or when each pH value of four consecutive grab samples collected at 15-minute intervals or longer within a 24-hour period remains below pH 5.5.

Discharges of more than 50 gallons per day of caustic solutions equivalent to more than 5 percent NaOH by weight or greater than pH 12.0 are prohibited unless authorized by KCIW and subject to special conditions to protect worker safety, the collection system, and treatment works.

### **Fats, oils, and grease**

Discharge of FOG shall not result in significant accumulations that either alone or in combination with other wastes are capable of obstructing flow or interfere with the operation or performance of sewer works or treatment facilities.

Dischargers of polar FOG (oil and grease from animal and/or vegetable origin) shall minimize free-floating polar FOG. Dischargers may not add emulsifying agents exclusively for the purpose of emulsifying free-floating FOG.

Nonpolar FOG limit: 100 mg/L

The limit for nonpolar FOG is violated when the arithmetic mean of the concentration of three grab samples, taken no more frequently than at five minute intervals, or when the results of a composite sample exceed the limitation.

### **Flammable or explosive materials**

No person shall discharge any pollutant, as defined in 40 CFR 403.5, that creates a fire or explosion hazard in any sewer or treatment works, including, but not limited to, waste streams with a closed cup flashpoint of less than 140° Fahrenheit or 60° Centigrade using the test methods specified in 40 CFR 261.21.

At no time shall two successive readings on an explosion hazard meter, at the point of discharge into the system (or at any point in the system), be more than 5 percent nor any single reading be more than 10 percent of the lower explosive limit (LEL) of the meter.

Pollutants subject to this prohibition include, but are not limited to, gasoline, kerosene, naphtha, benzene, toluene, xylene, ethers, alcohols, ketones, aldehydes, peroxides, chlorates, perchlorates, bromates, carbides, hydrides, and sulfides, and any other substances that King County, the fire department, Washington State, or the U.S. Environmental Protection Agency has notified the user are a fire hazard or a hazard to the system.

<b>Petroleum Compounds</b>	<b>Maximum Concentration ppm (mg/L)</b>
Benzene	0.07
Ethylbenzene	1.7
Toluene	1.4
Total xylenes	2.2

### Heavy metals/cyanide

The industrial user shall not discharge wastes, which exceed the following limitations:

<b>Heavy Metals &amp; Cyanide</b>	<b>Instantaneous Maximum ppm (mg/L)<sup>1</sup></b>	<b>Daily Average ppm (mg/L)<sup>2</sup></b>
Arsenic	4.0	1.0
Cadmium	0.6	0.5
Chromium	5.0	2.75
Copper	8.0	3.0
Lead	4.0	2.0
Mercury	0.2	0.1
Nickel	5.0	2.5
Silver	3.0	1.0
Zinc	10.0	5.0
Cyanide	3.0	2.0

<sup>1</sup>The instantaneous maximum is violated whenever the concentration of any sample, including a grab within a series used to calculate daily average concentrations, exceeds the limitation.

<sup>2</sup>The daily average limit is violated: a) for a continuous flow system when a composite sample consisting of four or more consecutive samples collected during a 24-hour period over intervals of 15 minutes or greater exceeds the limitation, or b) for a batch system when any sample exceeds the limitation. A composite sample is defined as at least four grab samples of equal volume taken throughout the processing day from a well-mixed final effluent chamber, and analyzed as a single sample.

### High temperature

The industrial user shall not discharge material with a temperature in excess of 65° C (150° F).

### Hydrogen sulfide

Atmospheric hydrogen sulfide: 10.0 ppm  
(As measured at a monitoring manhole designated by KCIW)

Soluble sulfide limits may be established on a case-by-case basis depending upon volume of discharge and conditions in the receiving sewer, including oxygen content and existing sulfide concentrations.

**Organic compounds**

No person shall discharge any organic pollutants that result in the presence of toxic gases, vapors, or fumes within a public or private sewer or treatment works in a quantity that may cause worker health and safety problems.

Organic pollutants subject to this restriction include, but are not limited to: Any organic pollutants compound listed in 40 CFR Section 433.11 (e) (total toxic organics [TTO] definition), acetone, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), and xylenes.

**Settleable solids**

Settleable solids concentrations: 7.0 ml/L



GENERAL CONDITIONS

- A. All requirements of King County Code pertaining to the discharge of wastes into the municipal sewer system are hereby made a condition of this discharge authorization.
- B. The industrial discharger shall implement measures to prevent accidental spills or discharges of prohibited substances to the municipal sewer system. Such measures include, but are not limited to, secondary containment of chemicals and wastes, elimination of connections to the municipal sewer system, and spill response equipment.
- C. Any facility changes, which will result in a change in the character or volume of the pollutants discharged to the municipal sewer system, must be reported to your KCIW representative. Any facility changes that will cause the violation of the effluent limitations specified herein will not be allowed.
- D. In the event the permittee is unable to comply with any of the conditions of this discharge authorization because of breakdown of equipment or facilities, an accident caused by human error, negligence, or any other cause, such as an act of nature the company shall:
1. Take immediate action to stop, contain, and clean up the unauthorized discharges and correct the problem.
  2. Immediately notify KCIW and, if after 5 p.m. weekdays and on weekends, call the emergency King County treatment plant phone number on Page 1 so steps can be taken to prevent damage to the sewer system.
  3. Submit a written report within 14 days of the event (*14-Day Report*) describing the breakdown, the actual quantity and quality of resulting waste discharged, corrective action taken, and the steps taken to prevent recurrence.
- E. Compliance with these requirements does not relieve the permittee from responsibility to maintain continuous compliance with the conditions of this discharge authorization or the resulting liability for failure to comply.
- F. The permittee shall, at all reasonable times, allow authorized representatives of KCIW to enter that portion of the premises where an effluent source or disposal system is located or in which any records are required to be kept under the terms and conditions of this authorization.
- G. Nothing in this discharge authorization shall be construed as excusing the permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations including discharge into waters of the state. Any such discharge is subject to regulation and enforcement action by the Washington State Department of Ecology.
- H. This discharge authorization does not authorize discharge after its expiration date. If the permittee wishes to continue to discharge after the expiration date, an application must be filed for reissuance of this discharge authorization at least 90 days prior to the expiration date. If the permittee submits its reapplication in the time specified herein, the permittee shall be deemed to have an effective wastewater discharge authorization until KCIW issues or denies the new wastewater discharge authorization. If the permittee fails to file its reapplication in the time period specified herein, the permittee will be deemed to be discharging without authorization.

Compliance Investigator: \_\_\_\_\_

  
Dana Heinz

Date: January 12, 2016



**Clean Portable Restrooms**

---

July 19<sup>th</sup>, 2005

Certified Mail  
Return receipt requested

Dave Haberman  
Investigator  
King County Wastewater Treatment Division  
Industrial Waste Program  
130 Nickerson Street, suite 200  
Seattle WA 98109-1658

RE: Application for Renewal of discharge Authorization No. 4008-01

Dear Mr. Haberman

I am in receipt of your letter dated June 21<sup>st</sup> 2005.  
May this letter serve as a formal request to extend our discharge permit for 5 additional years. We do not expect or plan for any changes in the volumes or character of our effluent over the next 5 years. There has not been a change in our operations.

Thank you.

J.R. Inman

**Northwest Cascade Inc dba Honey Bucket  
P.O. Box 685 Woodinville, Wa. 98072  
800-562-4256**

**NWC 001253**



**Clean Portable Restrooms ... Best in the Business**

July 19<sup>th</sup>, 2005

Certified Mail  
Return receipt requested

Dave Haberman  
Investigator  
King County Wastewater Treatment Division  
Industrial Waste Program  
130 Nickerson Street, suite 200  
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Thank you.

J.R. Inman

Northwest Cascade Inc.  
DBA Honey Buckets

800-562-4442 fax 253-848-2545 • P.O. Box 73399 • Puyallup, Washington 998374 • [www.nwcascade.com](http://www.nwcascade.com)

**NWC 001254**



Clean Portable Restrooms ... Best in the Business

## Exhibit C

There are no planned changes in pretreatment or waste disposal practices.

Ron Inman  
Vice President – Honey Bucket